Домашнее задание по Математической логике №5

Приложение 2. Метод резолюций

Часть 3. 15001 - 20000

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$15. \ e_{1,3} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

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

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

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

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

20.
$$e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$57. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6$$

$$58. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$59. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3$$

$$60. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$61. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

62.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$63. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor e_{3,4}$$

$$64. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

65.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$66. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg e_{3,4} \lor e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$67. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,6}, \neg e_{3,6}} \lor \neg t_{e$$

$$68. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$69. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3$$

70.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

71.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

72.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

73.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5}$$

$$74. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e$$

75.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$76. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3$$

$$77. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

78.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{$$

79.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$80. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3$$

$$81. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$82. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{1,3}, \, e_{2,3}}$$

83.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$84. \ e_{3,5} \vee \neg e_{3,6} \vee \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \vee t_{e_{1,3}, e_{2,3}} \vee t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \vee e_{3,5} \vee t_{e_{1,3}, e_{2,3}} \vee e_{3,4}$$

$$85. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{3,6} \lor \neg e_{3,$$

$$86.\ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \, e_{5,6}} \lor \neg e_{3,6} \lor \neg e_{3,6}$$

$$87. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$88. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$89. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{3,6} \lor \neg e$$

$$90. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{3,6} \lor e_{4,5}, \neg e_{5,6} \lor e_{5,6} \lor e_{5,6}, \neg e_{5,6}, \neg e_{5,6} \lor e_{5,6}, \neg e$$

$$91. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{3,6} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{3,6} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{3,6} \lor \neg e_{3,6}$$

$$92. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}}$$

$$93. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash e_{3,5} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,6}, e_{5,6}} \lor t_{\neg e_{3,$$

$$94. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, \neg e_{3,6}} \lor t_{$$

$$95. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{3,5} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t$$

$$96. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,6}, e_{2,6}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$97. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t$$

$$98. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor e_{3,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5$$

$$99. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash e_{3,5} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{3,5}, \neg e_{3,6$$

$$100. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, e_{2,6}}$$

101.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

102.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

103.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

104.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

105.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

$$106. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}}$$

107.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

108.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

109.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

110.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

111.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

112.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

113.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

114.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

115.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

116.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$117. \ \neg e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}}$$

$$118. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, \neg e_{5,6}}$$

$$119. \ \neg e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$120. \ \, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$121. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}$$

$$122. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, e_{5,6}}$$

$$123. \ \, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, e_{5,6}}$$

124.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, \neg e_{5,6}}$$

$$125. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{3,5}$$

126.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

127.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$128. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}}$$

129.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

130.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

131.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

132.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

133.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

134.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

135.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

136.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$137. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{3,5}$$

138.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

139.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

140.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$141. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$$

$$142. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$$

143.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

144.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,6}, \neg e_{5,6}}$$

$$145. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}}$$

146.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}}$$

147.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$148. \ e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6},\, e_{2,6}} \lor t_{e_{4,6},\, e_{5,6}} \vdash t_{e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$149. \ \, \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{3$$

$$150. \ \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}}$$

$$151. \ \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \,$$

$$152. \ \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}$$

$$153. \ \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \,$$

$$154. \ \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,6} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{3,5$$

$$155. \ \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,6} \lor e_{$$

$$156. \ \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}$$

$$157. \ \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\, \neg e_{$$

$$158. \ \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{4,5},$$

$$159. \ \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{2,4},\, e_{2,4}} \lor t_{\neg e_{2,$$

$$160. \ \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{e_{4,5}$$

$$161. \ \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}}$$

$$162. \ \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{4,5},\, e_{4,6}}$$

$$163. \ \, \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,6} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{$$

$$164. \ \, \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{3,6} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

205.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor e_{3,5} \lor e_{2,3}$$

$$206. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{3,6} \lor e_{2,3}$$

$$207. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg e_{1,3} \lor \neg e_{3,4} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor e_{2,3}$$

$$208. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{3,5} \lor e_{2,3}$$

209.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor e_{3,6} \lor e_{2,3}$$

$$210. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{1,3} \lor \neg e_{3,4} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor e_{2,3}$$

211.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor e_{3,5} \lor e_{2,3}$$

212.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor e_{3,6} \lor e_{2,3}$$

$$213. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{1,3} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor e_{3,4} \lor e_{2,3}$$

214.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{3,5} \lor e_{2,3}$$

215.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{3,6} \lor e_{2,3}$$

$$216. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash \neg e_{1,3} \lor t_{e_{3,5},\, e_{3,6}} \lor e_{3,4} \lor e_{2,3}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$289. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{$$

$$290. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$291. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$292. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg e_{3,5}$$

$$293. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}}, e_{3,5} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}}, e_{3,5} \lor$$

$$294. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{$$

$$295. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$296. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5}$$

$$297. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$298. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{$$

$$299. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

300.
$$\neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$301. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$302. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,4} \lor \neg e_{3,5}$$

$$303. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, e$$

$$304. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}$$

$$305. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{$$

$$306. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$307. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}$$

$$308. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$309. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,4} \lor \neg e_{3,5}$$

$$310. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$311. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$312. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$313. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, e$$

$$314. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5},\, \neg e_{3,6}}, e_{3,5} \vee t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{3,6} \vee \neg t_{\neg e_{3,5},\, \neg e_{3,6}} \vee t_{e_{1,3},\, e_{2,3}}$$

$$315. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{$$

316.
$$\neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$317. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$318. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg$$

$$319. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$320. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$321. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$322. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}}$$

$$323. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$324. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor r_{e_{4,5}, \neg$$

$$325. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, e_{3,6}} \lor \neg e_{3,5} \lor t_{\neg e_{3,6}, e_{3,6}} \lor \neg e_{3,6} \lor \neg e_{3,6} \lor t_{\neg e_{3,6}, e_{3,6}} \lor \neg e_{3,6} \lor t_{\neg e_{3,6}, e_{3,6}} \lor \neg e_{3,6} \lor \neg e_{3,6}$$

$$326. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, \neg e_{3,6}} \lor t_{\neg e_{3,6}, \neg e_$$

$$327. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5}$$

$$328. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$329. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5}$$

$$330. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{3,5}$$

$$331. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3$$

$$332. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{3,5} \lor \neg e_{3,5$$

$$333. \ e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

334.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

335.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

336.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$337. \ e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

338.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

$$339. \ e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

340.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

$$341. \ e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

342.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

343.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

344.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$345. \ e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

346.
$$e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

347.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

348.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$349. \ e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

$$350. \ e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, e_{5,6}}$$

351.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$352. \ e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$353. \ e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}}$$

$$354. \ e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, \neg e_{5,6}}$$

$$355. \ e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

356.
$$e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{5,6}}$$

$$357. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{3,5}$$

358.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

359.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$360. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}}$$

361.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

362.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$363. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{3,5}$$

364.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

$$365. \ e_{3,6} \lor t_{\lnot e_{1,3},\ e_{2,3}}, \lnot e_{3,6} \lor t_{e_{1,3},\ \lnot e_{2,3}} \vdash t_{e_{1,3},\ \lnot e_{2,3}} \lor t_{\lnot e_{1,3},\ e_{2,3}}$$

366.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$367. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{3,5}$$

368.
$$e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$369. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg e_{3,5}$$

- 370. $e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$
- 371. $e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$
- $372. \ e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}}$
- $373. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$
- $374. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$
- 375. $e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$
- $376. \ e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{4,6},\, \neg e_{5,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,6},\, \neg e_{5,6}}$
- $377. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}}$
- 378. $e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}}$
- $379. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor t_{e_{1,6}, \, e_{2,6}}$
- $380. \ e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, \, e_{2,6}} \lor t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{1,6}, \, e_{2,6}}$
- $381. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\, \neg e_{3$
- $382. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5}$
- $383. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{3,$
- $384. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \,$
- $385. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{3,$
- $386.\ \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{3,5$
- $387. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_$
- $388. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{2,3},\, e_{2,3}} \lor t_{e_{2,3},\,$
- $389. \ \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e$
- $390. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}$
- $391. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4},$
- $392. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg$
- $393. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}}$
- $394. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \,$
- $395. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{4,5},\, \neg e_{$
- $396. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, e_{4,6}}$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

437.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor e_{3,5} \lor e_{2,3}$$

438.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{3,6} \lor e_{2,3}$$

$$439. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg e_{1,3} \lor \neg e_{3,4} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor e_{2,3}$$

440.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{3,5} \lor e_{2,3}$$

441.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor e_{3,6} \lor e_{2,3}$$

$$442. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{1,3} \lor \neg e_{3,4} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor e_{2,3}$$

443.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor e_{3,5} \lor e_{2,3}$$

444.
$$\neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor e_{3,6} \lor e_{2,3}$$

$$445. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{1,3} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor e_{3,4} \lor e_{2,3}$$

$$446. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{3,5} \lor e_{2,3}$$

$$447. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg e_{1,3} \lor \neg e_{3,6} \lor e_{2,3}$$

$$448. \ \, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\, e_{2,3}}, e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash \neg e_{1,3} \lor t_{e_{3,5},\, e_{3,6}} \lor e_{3,4} \lor e_{2,3}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$477. \ e_{1,3} \lor t_{\lnot e_{1,3}, \, e_{2,3}}, \lnot e_{1,3} \lor e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \, e_{2,3}} \vdash \lnot t_{\lnot e_{1,3}, \, e_{2,3}} \lor t_{\lnot e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$521. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor e_{3,6}$$

522.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}}$$

$$523. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{3,5} \lor e_{3,6}$$

$$524. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,6}$$

$$525. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \, e_{3,6}}$$

$$526. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{$$

$$527. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor e_{3,6}$$

$$528. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,6}$$

529.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$530. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{$$

531.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

$$532. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

$$533. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,3},\,e_{2,3}}$$

$$534. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor e_{3,4} \lor e_{3,6}$$

$$535. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,6} \lor e_$$

$$536. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{3,5},\,e_{3,6}}$$

$$537. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{$$

$$538. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor e_{3,6}$$

$$539. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor e_{3,6}$$

540.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, e_{3,6}}$$

$$541. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,5} \lor e_{3,4} \lor e_{3,6} \lor e_{3,6$$

$$542. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

$$543. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$544. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash \neg e_{3,4} \lor e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

$$545. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,6} \lor e_$$

$$546. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$547. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{$$

$$548. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

$$549. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5$$

$$550. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{3,6} \lor t_{e_{4,5},\,e_{5,6}}$$

$$551. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$552. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{4,5},\,\neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$553. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5},\,e_{5,6}}$$

$$554. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{4,5},\,\neg e_{5,6}} \lor e_{3,6}$$

$$555. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{3,6}$$

$$556. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{3,6} \lor t_{e_{4,5},\,e_{5,6}}$$

$$557. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{\neg$$

$$558. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \vdash t_{e_{4,6},\,e_{5,6}} \lor e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$$

$$559. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor e_{3,5} \lor t_{\neg e_{4,6},\,e_{5,6}} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor \neg e_{3,6} \lor$$

$$560. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6}, \neg e_{5,6} \lor e_{5$$

$$561. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \vdash e_{3,5} \lor t_{\neg e_{4,6},\,e_{5,6}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,e_{3,6}$$

$$562. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{4,6},\,\neg e_{5,6}$$

$$563. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{2,6},\,e_{2,6}} \lor t_{e_{$$

$$564. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \vdash t_{e_{4,6},\,e_{5,6}} \lor e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

565.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$566. \ \, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

567.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$568. \ \, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}}$$

569.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

$$570. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}}$$

571.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

$$572. \ \, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

573.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$574. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}}$$

575.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$576. \ \, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

577.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

578.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

579.
$$\neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$580. \ \, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}}$$

$$581. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, e_{5,6}}$$

$$582. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, \neg e_{5,6}}$$

$$583. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$584. \ \, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$585. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}$$

$$586. \ \neg e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}}$$

$$587. \ \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, e_{5,6}}$$

$$588. \ \, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, \neg e_{5,6}}$$

589.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

590.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

591.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$592. \ \neg e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

$$593. \ \, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{3,5}$$

594.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

595.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}}$$

596.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

597.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

598.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$599. \ \, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

$$600. \ \, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

601.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

602.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$603. \ \, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{3,5}$$

604.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$605. \ \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{4,6},\, e_{5,6}} \vdash t_{\neg e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$606. \ \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{e_{4,6},\, \neg e_{5,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,6},\, \neg e_{5,6}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$607. \ \, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}}$$

$$608. \ \, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{4,6},\, e_{5,6}} \vdash t_{e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

$$609. \ \, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}}$$

610.
$$\neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$611. \ \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,6} \lor t_{e_{1,6},\, e_{2,6}} \lor t_{\neg e_{4,6},\, e_{5,6}} \vdash t_{\neg e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$612. \ \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}}, e_{3,6} \lor t_{e_{1,6},\, e_{2,6}} \lor t_{e_{4,6},\, \neg e_{5,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,6},\, \neg e_{5,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$613. \ \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}$$

$$614. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{3,4} \lor e_{3,6}$$

$$615. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{$$

$$616. \ \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3,5}, \, e_{3$$

$$617. \ \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \, e_{3$$

618.
$$e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,4} \lor e_{3,6}$$

$$619. \ \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{3,5}, \, e_{3,6}}$$

$$620. \ \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \, e_{3,6}} \lor$$

621.
$$e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,4} \lor e_{3,6}$$

$$622. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{2,3},\, e_{2,3}} \lor t_{e_{2,3},\,$$

623.
$$e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,4} \lor e_{3,6}$$

$$624. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{2,3},\, e_{3,6}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg$$

$$625. \ \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_$$

$$626. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, e_{3,6}} \lor t_{\neg e_{1,5}, \, e_{3$$

$$627. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4$$

$$628. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{e_{$$

$$629. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\, e_{$$

$$630. \ e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{4,6}}$$

$$631. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{$$

$$632. \ e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{4,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

673.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \lor \neg e_{2,3} \lor e_{1,3}$$

674.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor \neg e_{2,3} \lor e_{1,3}$$

$$675. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash \neg e_{3,4} \lor \neg e_{2,3} \lor t_{\neg e_{3,5}, e_{3,6}} \lor e_{1,3}$$

$$676. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}, \neg e_{3,5} \vee t_{e_{1,3},\, \neg e_{2,3}} \vdash \neg e_{2,3} \vee \neg e_{3,5} \vee e_{1,3}$$

677.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor e_{3,6} \lor e_{1,3}$$

$$678. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,4} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,4} \vee \neg e_{2,3} \vee t_{e_{3,5}, \neg e_{3,6}} \vee e_{1,3}$$

679.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \lor \neg e_{2,3} \lor e_{1,3}$$

680.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}}, \neg e_{2,3}, e_{3,6} \lor t_{e_{1,3}}, \neg e_{2,3} \vdash \neg e_{2,3} \lor e_{3,6} \lor e_{1,3}$$

$$681. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,4} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{2,3} \vee t_{\neg e_{3,5}, \neg e_{3,6}} \vee e_{3,4} \vee e_{1,3}$$

$$682. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \vee \neg e_{3,5} \vee e_{1,3}$$

683.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor \neg e_{2,3} \lor e_{1,3}$$

$$684. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor \neg e_{2,3} \lor e_{3,4} \lor e_{1,3}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$727. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \vdash \lnot e_{1,2} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$757. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

758.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

759.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

760.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg e_{3,5}$$

761.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

762.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg e_{3,5}$$

763.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,4} \lor e_{3,6} \lor \neg e_{3,5}$$

764.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

765.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

766.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6} \lor \neg e_{3,5}$$

$$767. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

768.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

769.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

770.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

771.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

772.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg e_{3,5}$$

$$773. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{3,6} \lor \neg e_{3,5}$$

$$774. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

775.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

776.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

777.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg e_{3,5}$$

$$778. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

779.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

780.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

781.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

782.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

783.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg e_{3,5}$$

$$784. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{3,4} \lor e_{3,6} \lor \neg e_{3,5}$$

$$785. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{3,6} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor e_{3,6} \lor e_$$

$$786. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6}$$

$$787. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$788. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$789. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor$$

$$790. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5}, \, e_{5,6}}$$

$$791. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{1,5}, \, e_{2,5}} \lor e_{3,6} \lor t_{\neg e_{4,5}, \, e_{5,6}}$$

792.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor e_{3,6}$$

$$793. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor \tau_{\neg e_$$

$$794. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{4,6}, \, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{3,5} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5} \lor t_{\neg e_{3,6}, \, e_{3,6}} \lor \neg e_{3,5} \lor t_{\neg e_{3,6}, \, e_{3,6}} \lor \neg e_{3,6} \lor \neg e_{3,$$

$$795. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

$$796. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \lor \neg e_{3,5}$$

$$797. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{3,5}$$

$$798. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5}$$

$$799. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\, e_{2,6}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{3,5} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{3,5} \lor \neg e_{3,5$$

$$800. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\, e_{2,6}} \lor t_{e_{4,6},\, e_{5,6}} \vdash t_{e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor \neg e_{3,5} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor \neg e_{3,5} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor \neg t_{\neg e_$$

$$801. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}}$$

802.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$803. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor e_{3,6}$$

804.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$805. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor e_{3,6}$$

806.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$807. \ e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}$$

808.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

809.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

810.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

$$811. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}}$$

812.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

$$813. \ e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5},\, \neg e_{3,6}}$$

814.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

815.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

816.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$817. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$$

818.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$$

819.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$820. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{1,5}, e_{2,5}}$$

821.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

822.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, \neg e_{5,6}}$$

$$823. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$$

$$824. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$$

825.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$826. \ \, \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5},\, e_{3,6}}$$

$$827. \ \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

828.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

829.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg e_{3,5}$$

830.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

831.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

832.
$$\neg e_{3,6} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}}$$

833.
$$\neg e_{3,6} \lor t_{e_{1,3}}, \neg e_{2,3}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg e_{3,5}$$

834.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

835.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

836.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}}$$

837.
$$\neg e_{3,6} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{3,6} \lor t_{e_{1,3}}, e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,3}}, e_{2,3}$$

$$838. \ \, \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5},\, e_{3,6}}$$

839.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg e_{3,5}$$

840.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$841. \ \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$842. \ \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$843. \ \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,6}, \neg e_{5,6}}$$

$$844. \ \, \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{4,6},\, e_{5,6}} \vdash t_{e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,3},\, \neg e_{2,3}}$$

$$845. \ \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}}$$

846.
$$\neg e_{3,6} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{3,6} \lor t_{e_{1,6}}, \neg e_{2,6} \lor t_{e_{4,6}}, e_{5,6} \vdash t_{e_{4,6}}, e_{5,6} \lor t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,6}}, \neg e_{2,6}$$

$$847. \ \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,6}, e_{2,6}}$$

848.
$$\neg e_{3,6} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$849. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}$$

$$850. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}$$

$$851. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}$$

$$852. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6$$

$$853. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}$$

$$854. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}$$

$$855. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$856. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{3,5}, \neg e_{3,6$$

$$857. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,$$

$$858. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}$$

$$859. \ \, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3$$

$$860. \ \neg e_{3,4} \lor t_{e_{1,3}}, \neg e_{2,3} \lor t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}}$$

$$861. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}$$

$$862. \ \, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, e_{4,6}}$$

$$863. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{$$

$$864. \ \, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}}$$

$$865. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

866.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$867. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$868. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$869. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \vee \neg e_{1,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \vee \neg t_{e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee e_{1,2}$$

$$870. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$871. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$872. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

873.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$874. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$875. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$876. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$877. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$878. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \vee \neg e_{1,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \vee \neg e_{2,3} \vee \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$879. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$880. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$881. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{1,2}, \neg e_{2,3}} \vee e_{1,3}$$

$$882. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

883.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$884. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$885. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$886. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$887. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$888. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$889. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3}$$

890.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

891.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$892. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \vee t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{1,2}, \neg e_{2,3}} \vee e_{1,3}$$

$$893. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee e_{1,3} \vee e_{1,2}$$

$$894. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$895. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$896. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$897. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,3$$

$$898. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee e_{1,3}$$

$$899. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,$$

900.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$901. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,3$$

$$902. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \vee t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}} \vee e_{1,3}$$

$$903. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,$$

$$904. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

905.
$$e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \vee \neg e_{2,3} \vee e_{1,3}$$

906.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor \neg e_{2,3} \lor e_{1,3}$$

907.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash \neg e_{3,4} \lor \neg e_{2,3} \lor t_{\neg e_{3,5}, e_{3,6}} \lor e_{1,3}$$

$$908. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \vee \neg e_{3,5} \vee e_{1,3}$$

909.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor e_{3,6} \lor e_{1,3}$$

910.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,4} \lor \neg e_{2,3} \lor t_{e_{3,5}, \neg e_{3,6}} \lor e_{1,3}$$

911.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \lor \neg e_{2,3} \lor e_{1,3}$$

912.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor e_{3,6} \lor e_{1,3}$$

$$913. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{2,3} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor e_{3,4} \lor e_{1,3}$$

914.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg e_{3,5} \lor e_{1,3}$$

915.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor \neg e_{2,3} \lor e_{1,3}$$

$$916. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor \neg e_{2,3} \lor e_{3,4} \lor e_{1,3}$$

917.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

918.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

919.
$$e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}, e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \vee \neg t_{e_{1,3},\, e_{2,3}} \vee e_{1,3}$$

$$920. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

921.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

922.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$923. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$924. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \vee t_{e_{1,3}, e_{2,3}} \vdash \neg e_{2,3} \vee t_{e_{1,3}, e_{2,3}} \vee \neg t_{e_{1,3}, \neg e_{2,3}}$$

925.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

926.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

927.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

928.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

929.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

930.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

931.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

932.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

933.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

934.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

$$935. \ \, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

936.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

937.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

938.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

939.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

940.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

941.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{\neg e_{1,3}}, \neg e_{2,3} \vdash t_{\neg e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,3}}, \neg e_{2,3}$$

942.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{\neg e_{1,3}}, \neg e_{2,3} \vdash t_{\neg e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,3}}, \neg e_{2,3}$$

943.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

944.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

945.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{\neg e_{1,3}}, e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}}, e_{2,3}$$

946.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

947.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

948.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{\neg e_{1,3}}, e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}}, e_{2,3}$$

949.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$950. \ \, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}$$

951.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}}, \neg e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor \neg t_{e_{1,3}}, \neg e_{2,3}$$

952.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}}, \neg e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor \neg t_{e_{1,3}}, \neg e_{2,3}$$

953.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

954.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

955.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

956.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

957.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$958. \ e_{2,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$959. \ e_{2,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$960. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \vdash \lnot e_{1,2} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

961.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

962.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

963.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

964.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

965.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

966.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

967.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

968.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

969.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

970.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

971.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

972.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$973. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,3$$

$$974. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,3$$

975.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3},$$

976.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

977.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

978.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

979.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

980.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

981.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

982.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

983.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

984.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

985.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

986.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

987.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

988.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$989. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}$$

990.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

991.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

992.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

993.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

994.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$995. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor e_{3,4}$$

996.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

997.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$998. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg e_{3,4} \lor e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$999. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}$$

$$1000. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,$$

$$1001. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_$$

$$1002. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}}$$

$$1003. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$1004. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$1005. \ \ e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor \lnot e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor e_{3,5}$$

$$1006. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e_{3$$

1007.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

1008.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$1009. \ \ e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}} \vdash \lnot e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}$$

$$1010. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e_{3$$

1011.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$1012. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_$$

$$1013. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{1,3}, \, e_{2,3}}$$

$$1014. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

1015.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$1016. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,4} \lor e_{3,5} \lor e_{3,6} \lor e_{$$

$$1017. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg$$

$$1018. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_$$

$$1019. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1020. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{3,6}, \neg e_{3,6}} \lor t_{\neg e_{3,6}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{$$

$$1021. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{3,6} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{3,6} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{3,6} \lor$$

$$1022. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t$$

$$1023. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e$$

$$1024. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1025. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash e_{3,5} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, \neg e_{3,6}} \lor$$

$$1026. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor$$

$$1027. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{3,5} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor$$

$$1028. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}}$$

$$1029. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor$$

$$1030. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor e_{3,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor$$

$$1031. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash e_{3,5} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{3,6}, \neg e_{3,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{3,6}, \neg e_{3,6}} \lor t_{e_{3,6}, \neg e_{3$$

$$1032. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$1033. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}}$$

1034.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, e_{3,6}} \lor e_{3,6}$$

1035.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1036. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}}$$

$$1037. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, e_{2,3}}$$

$$1038. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor \neg t_$$

$$1039. \ \, \neg e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

$$1040. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{3,5},\, e_{3,6}} \lor e_{3,6}$$

1041.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

$$1042. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}}$$

1043.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

1044.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, e_{3,6}} \lor e_{3,6}$$

1045.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1046. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{3,5},\, e_{3,6}} \lor e_{3,6}$$

1047.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1048. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor \neg t_$$

$$1049. \ \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,5$$

$$1050. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}$$

$$1051. \ \, \neg e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1052. \ \, \neg e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1053. \ \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$1054. \ \, \neg e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}}$$

1055.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$1056. \ \, \neg e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}$$

$$1057. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot e_{3,5}$$

$$1058. \ e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{1,3},\, \neg e_{2,3}}$$

1059.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

1060.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

1061.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1062.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$1063. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot e_{3,5}$$

1064.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1065.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

$$1066. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor e_{3,5} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}} \lor t_{e_{3,$$

$$1067. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot e_{3,5}$$

1068.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

$$1069. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot e_{3,5}$$

1070.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1071.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1072. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor e_{3,5} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}$$

$$1073. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}}$$

$$1074. \ e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$1075. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{\lnot e_{1,6}, e_{2,6}} \lor t_{\lnot e_{4,6}, e_{5,6}} \vdash t_{\lnot e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,6}, e_{5,6}}$$

$$1076. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{\lnot e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \lnot e_{5,6}} \vdash t_{\lnot e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,6}, \lnot e_{5,6}} \lor t_{e_{4,6}, \lnot e$$

$$1077. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{4,6}, e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,6}, e_{5,6}} \lor t_{e_{1,6}, \lnot e_{2,6}} \lor t_{e_{1,6}, \lnot e$$

$$1078. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \lor t_{e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,6}, \lnot e_{2,6}} \lor t_{e_{4,6}, \lnot e_{5,6}} \lor t_{e_{4,6}, \lnot e$$

$$1079. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{e_{1,6}, e_{2,6}} \lor t_$$

$$1080. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,6}, e_{2,6}}$$

$$1081. \ \, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}$$

$$1082. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,$$

$$1083. \ \, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}$$

$$1084. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{3,5}, \neg e_{3,$$

$$1085. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{3,5},$$

$$1086. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}$$

$$1087. \ \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}}, e_{3,6} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5},$$

$$1088. \ \neg e_{3,4} \lor t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{3,5}}, \neg e_{3,6}, e_{3,4} \lor t_{e_{1,3}}, e_{2,3} \lor t_{e_{3,5}}, \neg e_{3,6} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,3}}, e_{2,3} \lor t_{e_{3,5}}, \neg e_{3,6} \lor t_{e_{3,5}}, \neg e_{3$$

$$1089. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{$$

$$1090. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_$$

$$1091. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e$$

$$1092. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,$$

$$1093. \ \, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor$$

$$1094. \ \, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor$$

$$1095. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{3,5}, \neg e_{3,6}}$$

$$1096. \ \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{3,5}$$

$$1097. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1098. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1099. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1100. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1101. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1102. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1103. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1104. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1105. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}$$

$$1106. \ \ e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,3} \lor t_{\lnot e_{1,2}, \, e_{1,3}} \vdash \lnot e_{2,3} \lor t_{\lnot e_{1,2}, \, e_{1,3}} \lor \lnot t_{e_{1,3}, \, \lnot e_{2,3}}$$

$$1107. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1108. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1109. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1110. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1111. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1112. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}$$

1113.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1114. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

1115.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1116. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1117. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1118. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1119. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1120. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1121. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1122. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \, \neg e_{2,3}}, e_{2,3} \vee t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{e_{1,2}, \, \neg e_{2,3}} \vee e_{1,3}$$

$$1123. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}, e_{2,3} \vee t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \vee t_{e_{1,2},\, \neg e_{2,3}} \vee e_{1,3}$$

1124.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1125. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1126. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1127. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1128. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}, e_{1,2} \vee e_{2,3} \vee \neg t_{e_{1,2},\, e_{2,3}} \vdash \neg t_{e_{1,2},\, e_{2,3}} \vee \neg t_{e_{1,3},\, \neg e_{2,3}} \vee e_{1,3} \vee e_{1,2} \vee e_{1,2} \vee e_{1,3} \vee e_{1,4} \vee e_{1,4}$$

$$1129. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg$$

$$1130. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1131. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg$$

$$1132. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1133. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,$$

$$1134. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1135. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3$$

1136.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

1137.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \lor \neg e_{2,3} \lor e_{1,3}$$

1138.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor \neg e_{2,3} \lor e_{1,3}$$

$$1139. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash \neg e_{3,4} \lor \neg e_{2,3} \lor t_{\neg e_{3,5}, e_{3,6}} \lor e_{1,3}$$

1140.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg e_{3,5} \lor e_{1,3}$$

1141.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor e_{3,6} \lor e_{1,3}$$

$$1142. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,4} \lor \neg e_{2,3} \lor t_{e_{3,5}, \neg e_{3,6}} \lor e_{1,3}$$

1143.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \lor \neg e_{2,3} \lor e_{1,3}$$

1144.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor e_{3,6} \lor e_{1,3}$$

$$1145. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{2,3} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor e_{3,4} \lor e_{1,3}$$

1146.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg e_{3,5} \lor e_{1,3}$$

$$1147. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \vee \neg e_{2,3} \vee e_{1,3}$$

$$1148. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor \neg e_{2,3} \lor e_{3,4} \lor e_{1,3}$$

$$1149. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

1150.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1151. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1152. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1153. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1154. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}$$

$$1155. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

1156.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

1157.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$1158. \ \, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$1159. \ \, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

1160.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

1161.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

1162.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1163.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1164.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

$$1165. \ \, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},\, e_{1,3}}$$

1166.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}}, e_{1,3} \vdash \neg e_{1,2} \lor t_{e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}}, e_{1,3}$$

1167.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}}, e_{1,3} \vdash \neg e_{1,2} \lor t_{e_{1,3}}, \neg e_{2,3} \lor \neg t_{\neg e_{1,2}}, e_{1,3}$$

$$1168. \ \, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}$$

1169.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1170.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1171.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1172.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1173.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1174.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1175.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1176.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1177.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1178.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1179.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1180.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1181. \ \, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}$$

1182.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1183. \ \, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_$$

1184.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

1185.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1186.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1187.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1188.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$1189. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \vdash \lnot e_{1,2} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot$$

1190.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$1191. \ \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \vdash \lnot e_{1,2} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{1,2}$$

$$1192. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \vdash \lnot e_{1,2} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

1193.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1194.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1195.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1196.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1197.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1198. \ \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{e_{1,2}, \lnot e_{2,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{2,3}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor e_{1,2}$$

1199.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

1200.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

1201.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

1202.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

1203.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

1204.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1205. \ e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,$$

$$1206. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,$$

1207.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1208. \ \ e_{2,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,$$

1209.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1210.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1211.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1212.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1213. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}} \lor e_{1,3}$$

$$1214. \ \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}} \lor e_{1,3}$$

$$1215. \ \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}} \lor e_{1,3}$$

$$1216. \ \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}} \lor e_{1,3}$$

1217.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1218.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1219.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1220.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1221. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg$$

$$1222. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$1223. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{3,5}$$

$$1224. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5},$$

$$1225. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor e_{3,6}$$

$$1226. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_$$

$$1227. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$1228. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5$$

$$1229. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1230. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e_{3$$

$$1231. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$1232. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1233. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$1234. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,4} \vee t_{\neg e_{1,3}, e_{2,3}} \vee t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \vee t_{\neg e_{1,3}, e_{2,3}} \vee e_{3,4} \vee \neg e_{3,5} \vee e_{3,4} \vee e_{3,5} \vee e_{3,6} \vee$$

$$1235. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \vee e_{3,6} \vee \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee \neg t_{\neg e_{3,5}, e_{3,6}} \vee \neg t_{\neg e_{3,5$$

$$1236. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{3,6$$

$$1237. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \, \neg e_{3,6}}, e_{3,5} \vee \neg e_{3,6} \vee \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vee \neg t_{e_{3,5}, \, \neg e_{3,6}} \vee \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vee \neg t_{\neg e_{3,6}, \, \neg e_{3,6}$$

$$1238. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee \neg e_{3,5} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6$$

$$1239. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{3,6}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{3,$$

$$1240. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee \neg e_{3,5}$$

$$1241. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,4} \vee t_{e_{1,3}, \neg e_{2,3}} \vee t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee e_{3,4} \vee \neg e_{3,5} \vee e_{3,6} \vee$$

$$1242. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1243. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vee t_{e_{1,3}, \, e_{2,3}} \vee \neg e_{3,5}$$

$$1244. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$1245. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \vee e_{3,6} \vee \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee \neg t_{\neg e_{3,5}, e_{3,6}} \vee \neg t_{\neg e_{3,5}, e_{3,6}} \vee \neg t_{\neg e_{3,5}, \neg e_{3$$

$$1246. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1247. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor$$

$$1248. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee t_{e_{1,3}, e_{2,3}} \vee \neg e_{3,5}$$

$$1249. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1$$

$$1250. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg$$

$$1251. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1252. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg$$

$$1253. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \neg e$$

$$1254. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{e_{4,5}, e_{5,$$

$$1255. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor r_{\neg e_{4,5}, \, e_{5,6}} \lor r_{\neg e_{3,6}, \, e_{5,6}} \lor r_{\neg e_{3,6}, \, e_{5,6}} \lor r_{\neg e_{5,6}, \, e$$

$$1256. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5$$

$$1257. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e$$

$$1258. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, \neg e_{3,6}} \lor t_{\neg e_{3,6}, \neg e_{3$$

$$1259. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5}$$

$$1260. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$1261. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5}$$

$$1262. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{3,5}$$

$$1263. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3$$

$$1264. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{2,6}, e_{2,$$

$$1265. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{$$

1266.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$1267. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor e_{3,6} \lor e$$

1268.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$1269. \ \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor e_{3,6} \lor$$

1270.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1271.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}$$

$$1272. \ e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

$$1273. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor e_{3,6}$$

$$1274. \ e_{3,5} \lor t_{e_{1,3}, \, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{e_{1,3}, \, \lnot e_{2,3}} \vdash t_{e_{1,3}, \, \lnot e_{2,3}}$$

$$1275. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{3,5}, \lnot$$

1276.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

$$1277. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot$$

1278.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1279. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor e_{3,6}$$

1280.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1281. \ e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$1282. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1283. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,5}, e_{5,6}} \lor t_{\lnot e_{1,5}, e_{2,5}}$$

$$1284. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{1,5}, e_{2,5}}$$

1285.
$$e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$1286. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,5}, \lnot e_{5,6}}$$

$$1287. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$$

$$1288. \ e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1289. \ \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot e_{3,5}$$

1290.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

1291.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

1292.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

1293.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1294. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor e_{3,5} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}$$

$$1295. \ \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot e_{3,5}$$

1296.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1297.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

1298.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$1299. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot e_{3,5}$$

1300.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

$$1301. \ \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot e_{3,5}$$

1302.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1303.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1304. \ \ e_{3,6} \lor t_{e_{1,3}, \, \lnot e_{2,3}}, e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{e_{3,5}, \, \lnot e_{3,6}} \vdash t_{e_{1,3}, \, \lnot e_{2,3}} \lor e_{3,5} \lor \lnot t_{e_{3,5}, \, \lnot e_{3,6}}$$

$$1305. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}}$$

$$1306. \ \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor t_{e_{1,6}, \lnot$$

1307.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,6}, e_{5,6}}$$

1308.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,6}, \neg e_{5,6}}$$

$$1309. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{4,6}, e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,6}, e_{5,6}} \lor t_{e_{1,6}, \lnot e_{2,6}} \lor t_{e_{1,6}, \lnot e$$

$$1310. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \lor t_{e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,6}, \lnot e_{2,6}} \lor t_{e_{4,6}, \lnot e_{5,6}}$$

$$1311. \ e_{3,6} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{e_{1,6}, e_{2,6}} \lor t_$$

1312.
$$e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,6}, e_{2,6}}$$

$$1313. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{3,5}, \lnot e_{$$

$$1314. \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor e_{3,6}, \lnot e_{3,6} \lor e_{3,6}, \lnot e_{3,6} \lor e_{3,6}, \lnot e_{3,6},$$

$$1315. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{3,5}, e_{3,6}} \lor t_{\lnot e_{3$$

$$1316. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{3,5}, \lnot e_{3,6}} \lor t_{e_{3,5$$

$$1317. \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{3,5}, e_{3,6}} \lor t_{\lnot e_{3,5$$

$$1318. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{3,5}, \lnot e_{3,6}} \lor t_{e_{3,5$$

$$1319. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e$$

$$1320. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \lor t_{e_{3$$

$$1321. \ \ e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \,$$

$$1322. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_$$

$$1323. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1$$

$$1324. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1$$

$$1325. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{$$

$$1326. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor e_{5,6}, \lnot e_{5,6} \lor e_{5,6}, \lnot e_{5,6$$

$$1327. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor$$

$$1328. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{4,6}} \lor$$

$$1329. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1330. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1331. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1332. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}, \neg e_{1,3} \vee t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \vee \neg e_{2,3} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$1333. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2} \lor \neg e_{1,2} \lor \neg e_{1,3} \lor \neg e_{2,3} \lor \neg e$$

$$1334. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1335. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1336. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1337. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1338. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1339. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1340. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1341. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor$$

$$1342. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor$$

$$1343. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}, \, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}$$

$$1344. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$1345. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1346. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1347. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}, e_{2,3} \vee t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg t_{e_{1,3},\, \neg e_{2,3}} \vee t_{\neg e_{1,2},\, \neg e_{2,3}} \vee e_{1,3}$$

$$1348. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1349. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1350. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1351. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1352. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{1,3}$$

$$1353. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1354. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1355. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1356. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor e_{1,3}$$

$$1357. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2} \lor e_{1,2} \lor e_{1,3} \lor e_{1,4} \lor e$$

$$1358. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1359. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1360. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1361. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_$$

1362.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1363. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_$$

$$1364. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1365. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,$$

1366.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1367. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg e_{2,$$

$$1368. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1369. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash e_{3,5} \lor \neg e_{2,3} \lor e_{1,3}$$

$$1370. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor \neg e_{2,3} \lor e_{1,3}$$

$$1371. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash \neg e_{3,4} \lor \neg e_{2,3} \lor t_{\neg e_{3,5}, e_{3,6}} \lor e_{1,3}$$

$$1372. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \vee \neg e_{3,5} \vee e_{1,3}$$

1373.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor e_{3,6} \lor e_{1,3}$$

$$1374. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,4} \lor \neg e_{2,3} \lor t_{e_{3,5}, \neg e_{3,6}} \lor e_{1,3}$$

1375.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \lor \neg e_{2,3} \lor e_{1,3}$$

1376.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor e_{3,6} \lor e_{1,3}$$

$$1377. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{2,3} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor e_{3,4} \lor e_{1,3}$$

1378.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor \neg e_{3,5} \lor e_{1,3}$$

1379.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor \neg e_{2,3} \lor e_{1,3}$$

$$1380. \ \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor \neg e_{2,3} \lor e_{3,4} \lor e_{1,3}$$

$$1381. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1382. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1383. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

1384.
$$e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1385. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1386. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}, \neg e_{1,3} \vee t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{2,3} \vee t_{e_{1,3},\, e_{2,3}} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}$$

$$1387. \ e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1388. \ e_{1,3} \vee \neg e_{2,3} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}, \neg e_{1,3} \vee t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{2,3} \vee t_{e_{1,3},\, e_{2,3}} \vee \neg t_{e_{1,3},\, \neg e_{2,3}}$$

1389.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,2}, e_{1,3}} \lor e_{1,2}$$

$$1390. \ \, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$1391. \ \, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,2}, \, e_{1,3}} \lor e_{1,2}$$

$$1392. \ \, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,2},\, e_{1,3}} \lor e_{1,2}$$

$$1393. \ \, \neg e_{1,3} \vee t_{e_{1,3}, \, \neg e_{2,3}}, e_{1,3} \vee t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \vee t_{e_{1,2}, \, \neg e_{1,3}}$$

1394.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

1395.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

1396.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,2}}, \neg e_{1,3}$$

$$1397. \ \, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}$$

$$1398. \ \, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}$$

$$1399. \ \, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \, e_{1,3}}$$

$$1400. \ \, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

1401.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{\neg e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}}, \neg e_{1,3}$$

1402.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

1403.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$1404. \ \, \neg e_{1,3} \vee t_{e_{1,3},\, \neg e_{2,3}}, e_{1,3} \vee t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \vee t_{\neg e_{1,2},\, \neg e_{1,3}}$$

1405.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1406.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1407.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{\neg e_{1,3}}, \neg e_{2,3} \vdash t_{\neg e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,3}}, \neg e_{2,3}$$

1408.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1409.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{\neg e_{1,3}}, e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}}, e_{2,3}$$

1410.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{\neg e_{1,3}}, e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}}, e_{2,3}$$

1411.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{\neg e_{1,3}}, e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}}, e_{2,3}$$

1412.
$$\neg e_{1,3} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{1,3} \lor t_{\neg e_{1,3}}, e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}}, e_{2,3}$$

$$1413. \ \, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_$$

$$1414. \ \, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_$$

1415.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

1416.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1417. \ \, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

1418.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1419.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1420.
$$\neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$1421. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \vdash \lnot e_{1,2} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot$$

1422.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$1423. \ e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$1424. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \vdash \lnot e_{1,2} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot$$

1425.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1426.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1427.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1428.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1429.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

1430.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,2}$$

$$1431. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{e_{1,2}, \lnot e_{2,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{2,3}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor e_{1,2}$$

$$1432. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{1,2} \lor \lnot e_{2,3} \lor \lnot t_{e_{1,2}, \lnot e_{2,3}} \vdash \lnot t_{e_{1,2}, \lnot e_{2,3}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor e_{1,2}$$

1433.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

1434.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

1435.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

1436.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,2}, e_{2,3}}$$

$$1437. \ e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,$$

$$1438. \ e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,$$

$$1439. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, \lnot e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot e_{1,3} \lor \lnot t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,$$

1440.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{1,3} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1441. \ e_{2,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

1442.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1443.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1444. \ e_{2,3} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}}$$

$$1445. \ e_{2,3} \lor t_{e_{1,3}, \lnot e_{2,3}}, e_{1,3} \lor \lnot e_{2,3} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{1,3}, \lnot e_{2,3}} \lor e_{1,3}$$

1446.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

1447.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

$$1448. \ e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \lor e_{1,3}$$

1449.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1450.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1451.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1452.
$$e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1453. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor e_{3,6}$$

1454.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}}$$

$$1455. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{3,5} \lor e_{3,6}$$

$$1456. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \vdash \neg t_{e_{3,5}, \, e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor e$$

$$1457. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}}$$

$$1458. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_$$

$$1459. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor e_{3,6}$$

1460.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

1461.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,3},\,e_{2,3}}$$

$$1462. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_$$

1463.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

1464.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

$$1465. \ \ e_{3,5} \lor e_{3,6} \lor \lnot t_{e_{3,5},\,e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor \lnot t_{e_{3,5},\,e_{3,6}} \lor t_{\lnot e_{1,3},\,e_{2,3}}$$

$$1466. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,4} \lor e_{3,6}$$

$$1467. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor e_{3,$$

$$1468. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{3,5},\,e_{3,6}}$$

$$1469. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_$$

1470.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, e_{3,6}} \lor e_{3,6}$$

$$1471. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor e_{3,6}$$

1472.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, e_{3,6}}$$

$$1473. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor e_{3,4} \lor e_{3,6}$$

$$1474. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

1475.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1476. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash \neg e_{3,4} \lor e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

$$1477. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \vdash \neg t_{e_{3,5}, \, e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor e_{$$

1478.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1479. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_$$

$$1480. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

$$1481. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}$$

$$1482. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{3,6} \lor t_{e_{4,5},\,e_{5,6}} \lor e_{3,6} \lor e_{3,$$

$$1483. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$1484. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{4,5},\,\neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$1485. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor e_{3,6} \lor e_{$$

$$1486. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{4,5},\,\neg e_{5,6}} \lor e_{3,6} \lor e_{3,6}$$

$$1487. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{3,6} \lor e_{$$

$$1488. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{3,6} \lor t_{e_{4,5},\,e_{5,6}} \lor e_{3,6} \lor e_{$$

$$1489. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor t$$

$$1490. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \vdash t_{e_{4,6},\,e_{5,6}} \lor e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{3,6},\,e_{3,6}} \lor t_{\neg e_{3,6},\,e_$$

$$1491. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{3,5} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor e_{3$$

$$1492. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{4,6}, \, \neg e_{5,6}}$$

$$1493. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \vdash e_{3,5} \lor t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{3,6}, \, e_{3,6}} \lor t_{e$$

$$1494. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6,\,\neg e_{5,6}}$$

$$1495. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor t_{e_{1,6}, \, e_{2,6}} \lor t_{e_{2,6}, \, e_{2,6}} \lor t_{e_{2,6}} \lor t_{e_{2,6}, \, e_{2,6}} \lor t_{e_{2,6}, \, e_{$$

$$1496. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \vdash t_{e_{4,6},\,e_{5,6}} \lor e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

1497.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1498. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{3,5},\, e_{3,6}} \lor e_{3,6}$$

$$1499. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}}$$

1500.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

1501.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1502. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor \neg t_$$

1503.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1504. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{3,5},\, e_{3,6}} \lor e_{3,6}$$

1505.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

1506.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

1507.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

$$1508. \ \, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{3,5},\, e_{3,6}} \lor e_{3,6}$$

1509.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1510.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, e_{3,6}} \lor e_{3,6}$$

1511.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1512.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$1513. \ \, \neg e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{4,$$

1514.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}$$

$$1515. \ \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1516.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1517. \ \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}$$

1518.
$$\neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, e_{5,6}}$$

1519.
$$\neg e_{3,5} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{3,5} \lor t_{e_{1,5}}, e_{2,5} \lor t_{\neg e_{4,5}}, e_{5,6} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,5}}, e_{2,5} \lor t_{\neg e_{4,5}}, e_{5,6}$$

$$1520. \ \, \neg e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}$$

1521.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$1522. \ \, \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5},\, e_{3,6}}$$

1523.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg e_{3,5}$$

1524.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$1525. \ \, \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

1526.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1527.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1528. \ \, \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5},\, e_{3,6}}$$

$$1529. \ \, \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

1530.
$$\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$$

- 1531. $\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}}$
- $1532. \ \, \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \, e_{3,6}}$
- 1533. $\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$
- $1534. \ \, \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \, e_{3,6}}$
- $1535. \ \, \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$
- 1536. $\neg e_{3,6} \lor t_{e_{1,3}}, \neg e_{2,3}, e_{3,6} \lor t_{e_{1,3}}, e_{2,3} \vdash t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{1,3}}, e_{2,3}$
- $1537. \ \, \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$
- $1538. \ \, \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{e_{4,6},\, \neg e_{5,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{4,6},\, \neg e_{5,6}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$
- 1539. $\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,6}, \neg e_{5,6}}$
- $1540. \ \, \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{1,3}, \, \neg e_{2,3}}$
- $1541. \ \, \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, \neg e_{5,6}}$
- 1542. $\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,6}, \neg e_{2,6}}$
- 1543. $\neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,6}, e_{2,6}}$
- $1544. \ \, \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}}, e_{3,6} \lor t_{e_{1,6}, \, e_{2,6}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \lor t_{e_{1,6}, \, e_{2,6}}$
- $1545. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor$
- $1546. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \lnot t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor e_{3,5} \lor e_{3,4} \lor e_{3,6}$
- $1547. \ e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e$
- $1548. \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, e_{3,6}}, \lor t_{e_{3,5}, e_{3,6}} \lor t$
- $1549. \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \lor t_{e_{3,5}, \lnot e_{3,$
- $1550. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \lnot t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor e_{3,5} \lor e_{3,4} \lor e_{3,6}$
- $1551. \ e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}$
- $1552. \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}}$
- $1553. \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \lnot t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \lnot e_{2,3}} \lor e_{3,5} \lor e_{3,4} \lor e_{3,6}$
- $1554. \ e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,5}, e_{3,6}} \lor t_{e_{1,5$
- 1555. $e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor e_{3,4} \lor e_{3,6}$
- $1556. \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{2,3}, e_{2,3}} \lor t_{e_{2,3}$
- $1557. \ e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_$

$$1558. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor$$

$$1559. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{\lnot e_{4,5}, \, e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{\lnot e_{1,4}, \, e_{2,4}$$

$$1560. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \lnot e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, \lnot e_{2,3}} \lor t_{e_{4,5}, \, \lnot e_{4,6}} \lor t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \lnot e_{4,6}} \lor t_{e_{4,5}, \, \lnot e_{4,$$

$$1561. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,5}, \, e_{4,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{e_{4,5$$

$$1562. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, \lnot$$

$$1563. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\lnot e_{4,5}, \, \lnot e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, \lnot e_{2,3}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\lnot e_{4,5}, \, \lnot e_{4,6}}$$

$$1564. \ \ e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, \lnot e_{2,3}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, \lnot e_{2,3}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, \lnot e_{2,3}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, \lnot e_{2,3}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{2,5}, \, e_{4,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_$$

$$1565. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

1566.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$1567. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$1568. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$1569. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1570. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2}$$

$$1571. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2}$$

$$1572. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1573. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

1574.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1575.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$1576. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1577. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1578. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1579. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1580. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1581. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$1582. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$1583. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$1584. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$1585. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$1586. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

1587.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1588. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$1589. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1590. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1591. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1592. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

1593.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1594. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{1,3}$$

1595.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

1596.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1597. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1598. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$1599. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1600. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$1601. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

1602.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1603. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

1604.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1605. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$1606. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1607. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

1608.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$1609. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$1610. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$1611. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

1612.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1613.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

1614.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$1615. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

1616.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

1617.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$1618. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash \neg e_{3,4} \lor t_{e_{3,5}, \, e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

1619.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$1620. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$1621. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,4} \lor e_{1,3} \lor e_{2,3}$$

1622.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

1623.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},e_{2,3}}, e_{3,6} \lor t_{e_{1,3},e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$1624. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash e_{3,4} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$1625. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

$$1626. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

1627.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

1628.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}} \vdash \neg t_{e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}} \lor e_{1,2}$$

1629.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1630. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

1631.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1632.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},\neg e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

$$1633. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

$$1634. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

1635.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},e_{2,3}} \lor \neg t_{\neg e_{1,2},e_{1,3}}$$

1636.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

1637.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1638. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

1639.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1640.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1641. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

1642.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1643.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1644. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

1645.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1646.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1647.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

$$1648. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

1649.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

1650.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}}$$

1651.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1652. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

$$1653. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}$$

1654.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

1655.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}}$$

1656.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}}$$

$$1657. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

1658.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1659.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

$$1660. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

1661.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{2,3} \lor t_{e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{e_{1,2},\neg e_{2,3}}$$

1662.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{2,3} \lor t_{e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{e_{1,2},\neg e_{2,3}}$$

1663.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

1664.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

1665.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

1666.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

$$1667. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

$$1668. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

1669.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

1670.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

1671.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

1672.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$1673. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

$$1674. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

$$1675. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

$$1676. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{2,3}} \lor t_{e_{2,$$

1677.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1678.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1679. \ \, \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}}, e_{2,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}}$$

1680.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1681. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg$$

$$1682. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$1683. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg e_{3,5} \lor \neg e_{3,5} \lor \neg e_{3,6} \lor \neg e_{3,$$

$$1684. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5$$

$$1685. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg$$

$$1686. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e$$

$$1687. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$1688. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5$$

$$1689. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1690. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_$$

$$1691. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$1692. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1693. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$1694. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,4} \vee t_{\neg e_{1,3}, e_{2,3}} \vee t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \vee t_{\neg e_{1,3}, e_{2,3}} \vee e_{3,4} \vee \neg e_{3,5}$$

$$1695. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5$$

$$1696. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{3$$

$$1697. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor$$

$$1698. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$1699. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}$$

$$1700. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$1701. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,4} \lor \neg e_{3,5}$$

$$1702. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \vee t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee t_{e_{1,3}, e_{2,3}}$$

$$1703. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$1704. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

$$1705. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5},$$

$$1706. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1707. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \, \neg e_{3,6}$$

$$1708. \ \, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \vee t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee t_{e_{1,3}, e_{2,3}} \vee \neg e_{3,5}$$

$$1709. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{3,6} \lor \neg e_{$$

$$1710. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor r_{\neg e_{3,6}, \neg e_{3,6}} \lor r_{\neg e_{3,6}} \lor r_{\neg e_{3,6}, \neg e_{3,6}} \lor r_{\neg e_{3,6}, \neg e_{3,6}} \lor r_{\neg e_{3,6}, \neg e_{3,6}} \lor r_{\neg e_{3,6}} \lor r_{\neg e_{3,6}, \neg e_{3,6}} \lor r_{\neg e_{3,6}, \neg$$

$$1711. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1712. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1713. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \neg e_{5$$

$$1714. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{e_{4,5}, e_{5,$$

$$1715. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$1716. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}$$

$$1717. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e$$

$$1718. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, \neg e_{3,6}} \lor t_{\neg e_{3,6}, \neg e$$

$$1719. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5}$$

$$1720. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5}$$

$$1721. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5}, \neg e_{3,6} \lor t_{\neg e_{3,6}, \neg e_{3,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5}, \neg e_{3,6} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6}, \neg e_{3,6} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6}, \neg e_{3,6} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6}, \neg e_{3,6} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6}, \neg e_{3,6} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6}, \neg e_{3,6} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6}, \neg e_{3,6} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6}, \neg e_{3,6} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6}, \neg e_{3,6} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6}, \neg e_{3,6} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6}, \neg e_{3,6} \lor \neg e_{3,6}, \neg e_{3,6}, \neg e_{3,6} \lor \neg e_{3,6} \lor \neg e_{3,6}, \neg e_{3,6} \lor \neg e_{3,6}, \neg e_{3,6} \lor \neg e_{3$$

$$1722. \ \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{3,5}$$

$$1723. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg e_{3,5} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3$$

$$1724. \ \, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,5} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{3,6} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{3,6} \lor \neg e_{$$

$$1725. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

1726.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$1727. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

1728.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$1729. \ \ e_{3,5} \lor t_{e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

1730.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1731.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

1732.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1733. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

1734.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1735. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

1736.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1737.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$1738. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

1739.
$$e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

1740.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

1741.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$1742. \ \ e_{3,5} \lor t_{e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

1743.
$$e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

1744.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

$$1745. \ \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$1746. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{5,6}}$$

1747.
$$e_{3,5} \lor t_{e_{1,3},e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5},e_{2,5}} \lor t_{\neg e_{4,5},e_{5,6}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{4,5},e_{5,6}} \lor t_{\neg e_{1,5},e_{2,5}}$$

$$1748. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$1749. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,e_{5,6}}$$

$$1750. \ e_{3,5} \lor t_{e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{e_{1,3},\, e_{2,3}}$$

1751.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1752. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{5,6}}$$

$$1753. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

1754.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

1755.
$$e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}}$$

$$1756. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor e_{3,6} \lor e_{3,$$

1757.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1758. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}}$$

1759.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

1760.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

1761.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1762.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

1763.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor \neg e_{3,5}$$

1764.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1765.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$1766. \ \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

1767.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

1768.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

1769.
$$e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

1770.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

1771.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

1772.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$1773. \ e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

1774.
$$e_{3,6} \lor t_{e_{1,3},e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\neg e_{2,6}} \lor t_{e_{4,6},e_{5,6}} \vdash t_{e_{4,6},e_{5,6}} \lor t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,6},\neg e_{2,6}}$$

$$1775. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$1776. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

1777.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, e_{2,3}}$$

1778.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1779. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{$$

$$1780. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \vdash t_{e_{4,6},\,e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$1781. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3$$

$$1782. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, e_{3,6} \lor e_{3,6}, e_{3,6} \lor e_{3,6} \lor e_{3,6}, e_{3,6} \lor e_{3,6}$$

$$1783. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{$$

$$1784. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{2,5},\,\neg e_{3,6}} \lor t_{e_{2,5},\,\neg e_{3,$$

$$1785. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e$$

$$1786. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t$$

$$1787. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,4} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$1788. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,4} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$1789. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,4} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$1790. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$1791. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,4} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$1792. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg$$

$$1793. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6},\,e_{3,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_$$

$$1794. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}, e_{1,4}, e_{2,4}, e_{1,4}, e_{2,4}, e_{$$

$$1795. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{$$

$$1796. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_$$

$$1797. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}$$

$$1798. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{4,6}}$$

$$1799. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$1800. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

1801.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1802.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1803.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$1804. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$1805. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1806. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1807. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2}$$

$$1808. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$1809. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$1810. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

1811.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1812.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$1813. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1814. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1815. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1816. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1817. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$1818. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$1819. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$1820. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

1821.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1822. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$1823. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

1824.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$1825. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1826. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1827. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1828. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$1829. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$1830. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$1831. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$1832. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$1833. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor e_{$$

$$1834. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$1835. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor$$

$$1836. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$1837. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor e$$

1838.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1839. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

1840.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$1841. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

1842.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$1843. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

1844.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$1845. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$1846. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$1847. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

1848.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

1849.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$1850. \ e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3},\, e_{2,3}}, e_{3,6} \vee t_{e_{1,3},\, e_{2,3}} \vdash e_{3,6} \vee e_{1,3} \vee e_{2,3}$$

$$1851. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

1852.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$1853. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$1854. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash \neg e_{3,4} \lor t_{e_{3,5},\,e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

1855.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$1856. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$1857. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,4} \lor e_{1,3} \lor e_{2,3}$$

1858.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

1859.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

1860.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,4} \lor t_{e_{3,5}, \neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

1861.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}} \vdash \neg t_{e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}} \lor e_{1,2}$$

$$1862. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

1863.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

$$1864. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

1865.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},\neg e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

1866.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1867.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1868.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},\neg e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

$$1869. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

1870.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

1871.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

1872.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},e_{2,3}} \lor \neg t_{\neg e_{1,2},e_{1,3}}$$

1873.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1874.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1875.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{\neg e_{1,2},\neg e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

1876.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1877.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1878.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},\neg e_{2,3}} \vdash t_{\neg e_{1,3},\neg e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

1879.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1880.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1881.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

1882.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1883.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1884.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1885.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

1886.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$1887. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

$$1888. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

1889.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

1890.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

1891.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

1892.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$1893. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

1894.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1895. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

1896.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

1897.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

1898.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{2,3} \lor t_{e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{e_{1,2},\neg e_{2,3}}$$

1899.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{2,3} \lor t_{e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{e_{1,2},\neg e_{2,3}}$$

1900.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

1901.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},e_{2,3}} \vdash \neg t_{e_{1,2},e_{2,3}} \lor t_{e_{1,3},e_{2,3}} \lor e_{1,2}$$

1902.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},e_{2,3}} \vdash \neg t_{e_{1,2},e_{2,3}} \lor t_{e_{1,3},e_{2,3}} \lor e_{1,2}$$

1903.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

1904.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

1905.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,3},\neg e_{2,3}}$$

1906.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

1907.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

1908.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$1909. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{2,3}} \lor t_{e_{2,$$

$$1910. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

$$1911. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

$$1912. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

1913.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1914.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1915.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1916.
$$\neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{2,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,\neg e_{2,3}}$$

1917.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, e_{3,6}} \lor e_{3,6}$$

1918.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}}$$

1919.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor e_{3,6}$$

$$1920. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,6} \lor$$

$$1921. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}}$$

$$1922. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_$$

$$1923. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor e_{3,6}$$

$$1924. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6} \lor e$$

1925.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1926. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg$$

$$1927. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

1928.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

1929.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1930. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{3,4} \lor e_{3,6}$$

1931.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

$$1932. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{3,$$

$$1933. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_$$

1934.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, e_{3,6}} \lor e_{3,6}$$

1935.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, e_{3,6}} \lor e_{3,6}$$

1936.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, e_{3,6}}$$

$$1937. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor e_{3,5} \lor e_{3,4} \lor e_{3,6}$$

1938.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

1939.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

1940.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash \neg e_{3,4} \lor e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

$$1941. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,6} \lor e$$

$$1942. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$1943. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_$$

1944.
$$e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

$$1945. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{3,6} \lor e_{3,$$

$$1946. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{3,6} \lor t_{e_{4,5},\,e_{5,6}} \lor t_{e_$$

$$1947. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg t_{e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1948. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5$$

$$1949. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor e_{3,6} \lor e$$

$$1950. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6}$$

$$1951. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor e$$

$$1952. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{3,6} \lor t_{e_{4,5},\,e_{5,6}} \lor e_{3,6} \lor e_{$$

$$1953. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, \neg e_{3,6}} \lor t$$

$$1954. \ \ e_{3,5} \lor e_{3,6} \lor \lnot t_{e_{3,5}, \, e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,6}, \, \lnot e_{2,6}} \lor t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{4,6}, \, e_{5,6}} \lor e_{3,5} \lor \lnot t_{e_{3,5}, \, e_{3,6}} \lor t_{\lnot e_{1,6}, \, \lnot e_{2,6}}$$

$$1955. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{3,5} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor e_{3$$

$$1956. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{4,6}, \neg e_{5,6$$

$$1957. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \vdash e_{3,5} \lor t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{2,6}, \, e_{2,6}$$

$$1958. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{4,6},\,\neg e_{5$$

$$1959. \ \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{2,6},\,e_{2,6}} \lor t_{$$

$$1960. \ e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,6}, e_{2,6}}$$

1961.
$$\neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}}$$

1962.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

1963.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$1964. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}}$$

1965.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$1966. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}}$$

1967.
$$\neg e_{3,5} \lor t_{e_{1,3},e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,3},e_{2,3}}$$

1968.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

1969.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

1970.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

1971.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$1972. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

1973.
$$\neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

1974.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

1975.
$$\neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$1976. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

1977.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

1978.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

1979.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$1980. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}}$$

$$1981. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,e_{5,6}}$$

$$1982. \ \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

1983.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1984. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$1985. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$1986. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{5,6}}$$

$$1987. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,e_{5,6}}$$

$$1988. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

1989.
$$\neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

1990.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

1991.
$$\neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

1992.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$1993. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

1994.
$$\neg e_{3,6} \lor t_{e_{1,3},e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

1995.
$$\neg e_{3,6} \lor t_{e_{1,3},e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

1996.
$$\neg e_{3,6} \lor t_{e_{1,3},e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},e_{3,6}} \lor t_{e_{1,3},e_{2,3}}$$

$$1997. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

1998.
$$\neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

1999.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2000. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

2001.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

2002.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

2003.
$$\neg e_{3,6} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2004. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

2005.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2006. \ \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

2007.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

2008.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

$$2009. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \vdash t_{\neg e_{4,6},\,e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{3,6},\,e_{5,6}} \lor t_{\neg e_{3,6}$$

$$2010. \ \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \vdash t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$$

$$2011. \ \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2012. \ \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \vdash t_{e_{4,6},\,e_{5,6}} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2013. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash t_{e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

2014.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2015. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \vdash t_{\neg e_{4,6},\,e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{2,6}}, e_{2,6} \lor t_{e_{2,6},\,e_{2,6}} \lor t_{e_{2$$

$$2016. \ \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \vdash t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$2017. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg e_{3,4} \lor e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

$$2018. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,$$

$$2019. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_$$

$$2020. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6},\,e_{3,4}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5$$

$$2021. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg e_{3,4} \lor e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

$$2022. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{2,3},\,e_{2,3}} \lor t_{e_{2,3}$$

$$2023. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6},\,e_{3,4}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor$$

$$2024. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg e_{3,4} \lor e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

$$2025. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{2,3},\,e_{2,3}} \lor t_{e_{2,3}$$

$$2026. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,4} \lor t_{e_{3,5},\,e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2027. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,4} \lor t_{e_{3,5},\,e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2028. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg e_{3,4} \lor e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

$$2029. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,4} \lor t_{e_{3,5},\,e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2030. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{2,3},\,e_{3,6}} \lor t_{e_{2,3},\,e_{3,6}} \lor t_{e_{2,3},\,e_{3,6}} \lor t_{e_{2,3},\,e_{2,3}} \lor t_{e_{2,3}$$

$$2031. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,4} \lor t_{e_{3,5},\,e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2032. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{3,6}}$$

$$2033. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,5},\,e_{3,6}} \lor t_{\neg e_{1,5},\,e$$

$$2034. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}, v_{e_{2,4},\,\neg e_{2,4}} \lor t_{e_{2,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}, v_{e_{2,4},\,\neg e_{2,4}} \lor t_{e_{2,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{3,5},\,e$$

$$2035. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{4,5}$$

$$2036. \ \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \lor t_{e_{4,5}$$

$$2037. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,5},\,\neg e_{4,6}} \vdash t_{e_{1,5},\,\neg e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{$$

$$2038. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{4,5},\,e_{4,6}} \lor t_{e_{4$$

$$2039. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2040. \ \, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}}, e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_$$

2041.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$2042. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

2043.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$2044. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2045. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2}$$

$$2046. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2}$$

$$2047. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2}$$

$$2048. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2}$$

$$2049. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2050. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$2051. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2052. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2053. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2054. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2055. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2056. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$2057. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$2058. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2059. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$2060. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

2061.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2062. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor e_{1,3}$$

$$2063. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2064. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},e_{2,3}} \vdash \neg t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3}$$

$$2065. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2066. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2067. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2068. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2069. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

2070.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

2071.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$2072. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2073. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2074. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2075. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor e$$

$$2076. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$2077. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2078. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2079. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2080. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2081. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2082. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2083. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2084. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2085. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2086. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2087. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$2088. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

2089.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$2090. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2091. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2092. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$2093. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2094. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash \neg e_{3,4} \lor t_{e_{3,5}, \, e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

2095.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2096.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2097. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,4} \lor e_{1,3} \lor e_{2,3}$$

2098.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2099.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

2100.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,4} \lor t_{e_{3,5}, \neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

2101.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},e_{1,3}} \vdash \neg t_{e_{1,2},e_{1,3}} \lor t_{e_{1,3},e_{2,3}} \lor e_{1,2}$$

$$2102. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

$$2103. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

$$2104. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

2105.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},\neg e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

2106.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{e_{1,2},\neg e_{1,3}} \vdash t_{e_{1,2},\neg e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

$$2107. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

2108.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2109.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},e_{2,3}} \lor \neg t_{\neg e_{1,2},e_{1,3}}$$

2110.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

2111.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

2112.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2}, e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{\neg e_{1,2}, e_{1,3}}$$

2113.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2114.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{\neg e_{1,2},\neg e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

2115.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{\neg e_{1,2},\neg e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

2116.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2117.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2118.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},\neg e_{2,3}} \vdash t_{\neg e_{1,3},\neg e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

2119.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2120.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2121.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

2122.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2123.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2124.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

$$2125. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

$$2126. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

$$2127. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

$$2128. \ \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

2129.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

2130.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

2131.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,2},\neg e_{2,3}}$$

2132.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$2133. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

$$2134. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

2135.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2136. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

2137.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

2138.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

2139.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

2140.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

2141.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

2142.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

$$2143. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

2144.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},e_{2,3}} \vdash \neg t_{e_{1,2},e_{2,3}} \lor t_{e_{1,3},e_{2,3}} \lor e_{1,2}$$

2145.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,3},\neg e_{2,3}}$$

$$2146. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}}$$

2147.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

2148.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3},\neg e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,3},\neg e_{2,3}}$$

$$2149. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2150. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

2151.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2152. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{2,3}} \lor t_{e_{2,$$

$$2153. \ \, \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}}, e_{2,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}}$$

2154.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

2155.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

2156.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$2157. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg t_{\neg e_{3,5},$$

$$2158. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6}$$

$$2159. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor e_{3$$

$$2160. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor \neg e_{3,5}$$

$$2161. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6}$$

$$2162. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

$$2163. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor e_{3,4} \lor e_{3,6} \lor \neg e_{3,5}$$

$$2164. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor e_{3,6}$$

$$2165. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{3,5}$$

$$2166. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor e_{3,6} \lor \neg e_{3,5}$$

$$2167. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor$$

2168.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor e_{3,6}$$

$$2169. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor e_{3$$

$$2170. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor \neg e_{3,5}$$

$$2171. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor e_{3,6}$$

$$2172. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

$$2173. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg e_{3,4} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor e_{3,6} \lor \neg e_{3,5}$$

$$2174. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg t_{\neg e_{3,5},$$

$$2175. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6}$$

$$2176. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,6} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor$$

$$2177. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor \neg e_{3,5}$$

$$2178. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg t_{\neg e_{3,5},$$

2179.
$$\neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

$$2180. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor e_{3$$

$$2181. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg e_{3,5}$$

$$2182. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

$$2183. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor \neg e_{3,5}$$

$$2184. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, e_{2,3}} \lor e_{3,4} \lor e_{3,6} \lor \neg e_{3,5}$$

$$2185. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{3,6} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor e_{3,6} \lor e_{3,6}$$

$$2186. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor e_{3$$

$$2187. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3,5}, \,$$

$$2188. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e$$

$$2189. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor e_{3,6}$$

$$2190. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{e_{4,5},\,$$

$$2191. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor e_{3,6} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{4,5},\, e$$

$$2192. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor e_{3,6} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{e_{4,5},\, \neg e$$

$$2193. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \lor \neg e_{3,5} \lor t_{\neg e_{3,6},\, \neg e_{3,6}} \lor \neg e_{3,6} \lor$$

$$2194. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{4,6}, \, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{3,6}, \, e_{3,6}} \lor \neg e_{3,6} \lor t_{\neg e_{3,6}, \, e_{3,6}} \lor \neg e_{3,6} \lor \neg$$

$$2195. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg e_{3,5}$$

$$2196. \ \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{4,6}, \, \neg e_{5,6}} \lor \neg e_{3,5}$$

$$2197. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{1,6}, \, \neg e_{2,6}} \lor \neg e_{3,5}$$

$$2198. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{3,5}$$

$$2199. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\, e_{2,6}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{3,5} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{3,5} \lor \neg e_{3,6} \lor \neg e_{3,5} \lor \neg e_{3,6} \lor \neg e_$$

$$2200. \ \, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}}, \neg e_{3,6} \lor t_{e_{1,6},\, e_{2,6}} \lor t_{e_{4,6},\, e_{5,6}} \vdash t_{e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \lor \neg e_{3,5} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{3,5} \lor \neg e_{3,5} \lor \neg e_{3,5} \lor \neg e_{3,5} \lor \neg e_{3,6} \lor$$

$$2201. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

2202.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

2203.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

2204.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$2205. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

2206.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2207. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

2208.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2209. \ \ e_{3,5} \lor t_{e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor e_{3,6}$$

2210.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

2211.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

2212.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

2213.
$$e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$2214. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

2215.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2216.
$$e_{3,5} \lor t_{e_{1,3},e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3},e_{2,3}} \vdash t_{e_{1,3},e_{2,3}}$$

2217.
$$e_{3,5} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2218.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

2219.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2220.
$$e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

$$2221. \ e_{3,5} \lor t_{e_{1,3},e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\neg e_{2,5}} \lor t_{\neg e_{4,5},\neg e_{5,6}} \vdash t_{\neg e_{1,5},\neg e_{2,5}} \lor t_{\neg e_{4,5},\neg e_{5,6}} \lor t_{e_{1,3},e_{2,3}}$$

$$2222. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{5,6}}$$

$$2223. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$2224. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{2,5},\,\neg e_{5,6}} \lor t_{e_{2,5},\,\neg e_{5,6}} \lor t_{e_{2,5},\,\neg e_{5,6}} \lor t_{e_{2,5},\,e_{2,5}} \lor$$

$$2225. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,e_{5,6}}$$

$$2226. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2227. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2228. \ e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{5,6}}$$

2229.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2230. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2231. \ \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

$$2232. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2233. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

2234.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2235.
$$\neg e_{3,6} \lor t_{e_{1,3},e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

$$2236. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2237. \ \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

2238.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2239.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2240.
$$\neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

2241.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

2242.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

2243.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2244. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2245. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2246. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\,e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

2247.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

2248.
$$\neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

$$2249. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \vdash t_{\neg e_{4,6},\,e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$$

$$2250. \ \neg e_{3,6} \lor t_{e_{1,3},e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\neg e_{2,6}} \lor t_{e_{4,6},\neg e_{5,6}} \vdash t_{e_{4,6},\neg e_{5,6}} \lor t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,6},\neg e_{2,6}}$$

$$2251. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2252. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \vdash t_{e_{4,6},\,e_{5,6}} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2253. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash t_{e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2254. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \vdash t_{e_{4,6},\,e_{5,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2255. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \vdash t_{\neg e_{4,6},\,e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{2,6},\,e_{2,6}} \lor t_{e_{2$$

$$2256. \ \, \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \vdash t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$2257. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3$$

$$2258. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}$$

$$2259. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2260. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{3,$$

$$2261. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t$$

$$2262. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{3,$$

$$2263. \ \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,4} \lor e_{1,3} \lor e_{2,3}$$

$$2264. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{$$

$$2265. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,4} \lor e_{1,3} \lor e_{2,3}$$

$$2266. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{2,3},\,e_{3,6}} \lor t_{e_{2,3},\,e_{2,6}} \lor t_{e_{2,3},\,e_{2,6}} \lor t_{e_{2,3},\,e_{2,6}} \lor t_{e_{2,3},\,e_{2,6}} \lor t_{e_{2,$$

$$2267. \ \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,4} \lor e_{1,3} \lor e_{2,3}$$

$$2268. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,4} \lor e_{1,3} \lor e_{2,3}$$

$$2269. \ \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_$$

$$2270. \ e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{$$

$$2271. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}$$

$$2272. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e$$

$$2273. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{2,3},\,e_{3,6}} \lor t_{e_{2,3},\,e_{2,6}} \lor t_{e_{2,4},\,e_{2,6}} \lor t_$$

$$2274. \ \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{4,5},\,\neg e_{$$

$$2275. \ \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,5}} \lor t_{e_{3,5},\,e_{3,6}} \lor$$

$$2276. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{4,6}}$$

2277.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2},e_{1,3}} \vdash t_{e_{1,2},e_{1,3}} \lor \neg t_{e_{1,3},e_{2,3}} \lor e_{2,3}$$

$$2278. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,3},\, e_{2,3}} \lor e_{2,3}$$

$$2279. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

2280.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$2281. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2}$$

$$2282. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2283. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3} \lor e_{1,2}$$

$$2284. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,2} \lor \neg e_{1,3} \lor \neg t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor e_{2,3} \lor e_{1,2}$$

$$2285. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2286. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2287. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2288. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2289. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2290. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2291. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

$$2292. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{1,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2293. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2294. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$2295. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

$$2296. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,2} \lor \neg e_{2,3} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3}$$

2297.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

2298.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,3}$$

$$2299. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},e_{2,3}} \vdash \neg t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3}$$

2300.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,2},e_{2,3}} \vdash \neg t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,2},e_{2,3}} \lor e_{1,3}$$

$$2301. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2302. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2303. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2}, \, \neg e_{2,3}} \vdash \neg t_{e_{1,2}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2304. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor \neg e_{2,3} \lor \neg t_{e_{1,2},\,\neg e_{2,3}} \vdash \neg t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3} \lor e_{1,2}$$

$$2305. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

2306.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

2307.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$2308. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{e_{1,2},\,e_{2,3}} \vdash t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2309. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3} \lor e$$

$$2310. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$2311. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2312. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2313. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2314. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2315. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3}, \, e_{2,3}} \vdash \neg t_{\neg e_{1,3}, \, e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

2316.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{2,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{1,3}$$

$$2317. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2318. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2319. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2320. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor \neg t_{e_{1,3}, \, e_{2,3}} \lor e_{2,3}$$

$$2321. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

$$2322. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{2,3}$$

$$2323. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,e_{2,3}} \lor e_{1,3}$$

2324.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{1,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{1,3}, e_{2,3}} \lor e_{2,3}$$

2325.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$2326. \ e_{1,3} \vee e_{2,3} \vee \neg t_{e_{1,3},\, e_{2,3}}, e_{3,6} \vee t_{e_{1,3},\, e_{2,3}} \vdash e_{3,6} \vee e_{1,3} \vee e_{2,3}$$

$$2327. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

2328.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2329.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2330. \ \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, \, e_{2,3}}, \neg e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash \neg e_{3,4} \lor t_{e_{3,5}, \, e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

2331.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2332.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2333. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}}, e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{\neg e_{3,5},\,e_{3,6}} \lor e_{3,4} \lor e_{1,3} \lor e_{2,3}$$

$$2334. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}}, \neg e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2335.
$$e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2336. \ e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,4} \lor t_{e_{3,5}, \neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2337. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

$$2338. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

$$2339. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2},\,e_{1,3}} \vdash \neg t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

2340.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor e_{1,3} \lor \neg t_{e_{1,2}, e_{1,3}} \vdash \neg t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

2341.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2342. \ \, \neg e_{1,3} \lor t_{e_{1,3},\, e_{2,3}}, e_{1,3} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,3},\, e_{2,3}}$$

2343.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2344.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2345. \ \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

$$2346. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

$$2347. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

$$2348. \ \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{1,3} \lor \neg t_{\neg e_{1,2},\,e_{1,3}} \vdash \neg e_{1,2} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{\neg e_{1,2},\,e_{1,3}}$$

2349.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2350.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2351.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{\neg e_{1,2},\neg e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

2352.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,2},\neg e_{1,3}} \vdash t_{\neg e_{1,2},\neg e_{1,3}} \lor t_{e_{1,3},e_{2,3}}$$

2353.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2354.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2355.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},\neg e_{2,3}} \vdash t_{\neg e_{1,3},\neg e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

2356.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2357.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

2358.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

2359.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}}$$

2360.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

2361.
$$\neg e_{1,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{1,3}, \neg e_{2,3}}$$

$$2362. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

$$2363. \ \, \neg e_{1,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}} \lor \neg t_{e_{1,3},\,\neg e_{2,3}}$$

2364.
$$\neg e_{1,3} \lor t_{e_{1,3},e_{2,3}}, e_{1,3} \lor \neg e_{2,3} \lor \neg t_{e_{1,3},\neg e_{2,3}} \vdash \neg e_{2,3} \lor t_{e_{1,3},e_{2,3}} \lor \neg t_{e_{1,3},\neg e_{2,3}}$$

2365.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

2366.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

2367.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

2368.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$2369. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2370. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2371. \ \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2372. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,2} \lor e_{2,3} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \vdash \neg e_{1,2} \lor \neg t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}}$$

2373.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

2374.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

2375.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$2376. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{2,3} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,2},\,\neg e_{2,3}}$$

$$2377. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

$$2378. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

2379.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2}, e_{2,3}} \vdash \neg t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{1,2}$$

$$2380. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,2} \lor e_{2,3} \lor \neg t_{e_{1,2},\,e_{2,3}} \vdash \neg t_{e_{1,2},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{1,2}$$

2381.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$2382. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}}$$

2383.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

2384.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$2385. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

$$2386. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

$$2387. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_$$

2388.
$$\neg e_{2,3} \lor t_{e_{1,3},e_{2,3}}, \neg e_{1,3} \lor e_{2,3} \lor \neg t_{\neg e_{1,3},e_{2,3}} \vdash \neg e_{1,3} \lor \neg t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{1,3},e_{2,3}}$$

$$2389. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{2,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,\neg e_{2,3}}$$

$$2390. \ \, \neg e_{2,3} \lor t_{e_{1,3},\,e_{2,3}}, e_{2,3} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,\neg e_{2,3}}$$

2391.
$$\neg e_{2,3} \lor t_{e_{1,3}, e_{2,3}}, e_{2,3} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$2392. \ \, \neg e_{2,3} \lor t_{e_{1,3},\, e_{2,3}}, e_{2,3} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{1,3},\, \neg e_{2,3}}$$

$$2393. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e_{3$$

$$2394. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor e_{3,$$

$$2395. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor \neg t_{e_{3$$

$$2396. \ \ e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{3,6}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot$$

$$2397. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$2398. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor e_{3,5} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor e_{3,5} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor e_{3,5} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor e_{3,5} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor e_{3,5} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor e_{3,5} \lor e_{3,5}$$

$$2399. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor e_{3,4}$$

$$2400. \ \ e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,3}, e_{2,3}} \vdash \lnot e_{3,6} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{3,6}, \lnot e_{3,6}}, \lnot e_{3,6} \lor t_{\lnot e_{3,6}},$$

$$2401. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{$$

$$2402. \ \ e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor \lnot e_{3,4} \lor e_{3,5} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot e_{3,6} \lor \lnot e_{3,6} \lor \lnot e_{3,6} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor \lnot e_{3,6} \lor e_{3,6} \lor \lnot e_{3,6} \lor e_{3,6} \lor \lnot e_{3,6} \lor e_{3,6} \lor$$

$$2403. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e_{3$$

$$2404. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{3,6}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg$$

$$2405. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_$$

$$2406. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$2407. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$2408. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$2409. \ \ e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{e_{3,5}, \lnot e_{3,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor \lnot e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor e_{3,5}$$

$$2410. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{\neg e_{3,6}, \neg e_{3,6}} \lor \neg t_{\neg e_{3$$

$$2411. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{3$$

$$2412. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_$$

$$2413. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$2414. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,6}, \neg e_{3,6}} \lor \neg t_$$

$$2415. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$2416. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash e_{3,5} \lor \neg t_{e_{3,5}, e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_$$

$$2417. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2418. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}$$

2419.
$$e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$2420. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,4} \lor e_{3,5} \lor e_{3,6} \lor e_{$$

$$2421. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg$$

$$2422. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t_{e_{3$$

$$2423. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2424. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2425. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{3,6} \lor \neg e_{3,6}$$

$$2426. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg t$$

$$2427. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{3,6} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{3,6} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{3,6} \lor \neg e_{3,$$

$$2428. \ \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \tau_{e_{3,5}, \neg e_$$

$$2429. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash e_{3,5} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{3,6}, e_{3,6}} \lor t_{\neg e_{3,$$

$$2430. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor t$$

$$2431. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{3,5} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg$$

$$2432. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,6}, \, e_{2,6}} \lor e_{3,5} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}}$$

$$2433. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor \neg$$

$$2434. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor e_{3,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor$$

$$2435. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{4,6}, e_{5,6}} \vdash e_{3,5} \lor t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{2,6}, e_{2,6}} \lor t_{e_$$

$$2436. \ e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}}, e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash e_{3,5} \lor t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{3,6}, \neg e_{3,6}} \lor t_{e_{3,6}, \neg e_{3,6}}$$

$$2437. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}}$$

2438.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

2439.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$2440. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}}$$

2441.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2442. \ \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}}$$

2443.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, e_{2,3}}$$

$$2444. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

2445.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$2446. \ \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}}$$

2447.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

2448.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor e_{3,6}$$

2449.
$$\neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2450.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

2451.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$2452. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor e_{3,6}$$

$$2453. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

2454.
$$\neg e_{3,5} \lor t_{e_{1,3},e_{2,3}}, e_{3,5} \lor t_{e_{1,3},e_{2,3}} \vdash t_{e_{1,3},e_{2,3}}$$

2455.
$$\neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash \neg e_{3,5} \lor e_{1,3} \lor e_{2,3}$$

$$2456. \ \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \lor \neg t_{e_{3,5}, \neg e_{3,6}}$$

$$2457. \ \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,e_{5,6}}$$

$$2458. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{2,5},\,\neg e_{3,5}} \lor t_{e_$$

$$2459. \ \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$2460. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$2461. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2462. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{5,6}}$$

$$2463. \ \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2464. \ \, \neg e_{3,5} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2465. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

2466.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,3}, \neg e_{2,3}}$$

$$2467. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}}$$

$$2468. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}}$$

$$2469. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,3},\,e_{2,3}}$$

$$2470. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}}$$

$$2471. \ e_{3,6} \lor t_{e_{1,3},e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\neg e_{3,6}} \vdash \neg t_{\neg e_{3,5},\neg e_{3,6}} \lor t_{e_{1,3},e_{2,3}} \lor \neg e_{3,5}$$

2472.
$$e_{3,6} \lor t_{e_{1,3},e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,3},e_{2,3}} \vdash t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,3},e_{2,3}}$$

2473.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

$$2474. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor e_{3,6} \lor e_{3,$$

$$2475. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

2476.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,3}, \neg e_{2,3}}$$

2477.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2478. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash \neg t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg e_{3,5}$$

$$2479. \ \ e_{3,6} \lor t_{e_{1,3},\, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

2480.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

2481.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

2482.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,3}, e_{2,3}}$$

2483.
$$e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3}, e_{2,3}} \vdash e_{3,6} \lor e_{1,3} \lor e_{2,3}$$

$$2484. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}}$$

$$2485. \ e_{3,6} \lor t_{e_{1,3},e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\neg e_{2,6}} \lor t_{\neg e_{4,6},\neg e_{5,6}} \vdash t_{\neg e_{4,6},\neg e_{5,6}} \lor t_{e_{1,3},e_{2,3}} \lor t_{\neg e_{1,6},\neg e_{2,6}} \lor t_{\neg e_{4,6},\neg e_{5,6}} \lor t_{\neg e_{4,6},\neg e_{5,6$$

$$2486. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \vdash t_{e_{4,6},\,e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{e_{4,6},\,e_{5,6}} \lor t_{e_{4,6},\,e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{1,6},\,e_{2,6}}$$

$$2487. \ e_{3,6} \lor t_{e_{1,3},e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6},e_{2,6}} \lor t_{\neg e_{4,6},e_{5,6}} \vdash t_{\neg e_{1,6},e_{2,6}} \lor t_{\neg e_{4,6},e_{5,6}} \lor t_{e_{1,3},e_{2,3}}$$

$$2488. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2489. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{\neg e_{4,6},\,e_{5,6}} \vdash t_{\neg e_{4,6},\,e_{5,6}} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$2490. \ e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{4,6}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2491. \ e_{3,6} \lor t_{e_{1,3},\,e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{1,6},\,e_{2,6}} \lor t_{e_{$$

$$2492. \ e_{3,6} \lor t_{e_{1,3}, e_{2,3}}, \neg e_{3,6} \lor t_{e_{1,6}, e_{2,6}} \lor t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{1,6}, e_{2,6}}$$

$$2493. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor$$

$$2494. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,6} \lor e_{3,6}, \neg e_{3,6} \lor e_{3,6}, \neg e_{3,6} \lor e_{3,6}, \neg e_{3,6} \lor e_{3,6}, \neg e_{3,6}$$

$$2495. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,6} \lor e_{3,6}, \neg e_{3,6} \lor e_{3,6}, \neg e_{3,6} \lor e_{3,6}, \neg e_{3,6$$

$$2496. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}$$

$$2497. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{3,$$

$$2498. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}$$

$$2499. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash e_{3,4} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2500. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{$$

$$2501. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash e_{3,4} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2502. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}$$

$$2503. \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\,e_{2,3}} \vdash e_{3,4} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2504. \ \ e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, e_{1,3} \lor e_{2,3} \lor \neg t_{e_{1,3},\, e_{2,3}} \vdash e_{3,4} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor e_{1,3} \lor e_{2,3}$$

$$2505. \ \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor$$

$$2506. \ \ e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, \neg$$

$$2507. \ \ e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\,$$

$$2508. \ \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{4,5},\,\neg e_{4,$$

$$2509. \ \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,6} \lor e_{4,6} \lor e_{4,6$$

$$2510. \ \ e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}}, \neg e_{3,6} \lor e_{4,5}, \neg e_{4,6} \lor e_{4,6}, \neg e_{4,6} \lor e_{4,6} \lor e_{4,6}, \neg e_{4,6} \lor e_{4,6}, \neg e_{4,6} \lor e_{4,6}, \neg e_{4,6} \lor e_{4,6} \lor e$$

$$2511. \ \ e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{4,6},\, \neg e_{4,6}} \lor t_{\neg e_{4,6}} \lor t_{\neg e_{4,6},\, \neg e_{4,6}} \lor t_{\neg e_{4,6},\, \neg e_{4,6}} \lor t$$

$$2512. \ \ e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{e_{4,5},\, e_{4$$

$$2513. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2514. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e$$

$$2515. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2516. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2517. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{1,5}, e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor$$

$$2518. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e$$

$$2519. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e$$

$$2520. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{$$

$$2521. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,5}, e_{2,6} \lor t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2,4$$

$$2522. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e$$

$$2523. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,4} \lor e_{2,5}, e_{2,6} \lor e_{2,6}$$

$$2524. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,4}$$

$$2525. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2526. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2527. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2528. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor$$

$$2529. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,5} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$2530. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash e_{4,6} \lor \neg e_{2,4} \lor \neg e_{1,4}$$

$$2531. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{1,4}$$

$$2532. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, \neg e_{4,5} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{1,4} \vee \neg e_{4,5}$$

$$2533. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, \neg e_{4,6} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee \neg e_{1,4}$$

$$2534. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{e_{4,5}, \, e_{4,6}} \lor \neg e_{1,4}$$

$$2535. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,5} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$2536. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,6} \vee t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee \neg e_{1,4}$$

$$2537. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor e_{3,4} \lor \neg e_{1,4}$$

$$2538. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{1,4} \lor \neg e_{4,5}$$

$$2539. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,6} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$2540. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{2,4} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor e_{3,4} \lor \neg e_{1,4}$$

$$2541. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2542. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}},$$

$$2543. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2544. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_$$

$$2545. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2546. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}},$$

$$2547. \ \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg$$

$$2548. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_$$

$$2549. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$2550. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2551. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$2552. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2553. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$2554. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2555. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$2556. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2557. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2558. \ e_{1,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, e_{1,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$2559. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2560. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2561. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2562. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2563. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2564. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2565. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg$$

$$2566. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4},$$

$$2567. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg$$

$$2568. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg$$

$$2569. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{2,4} \lor e_{2,4}$$

$$2570. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{2,4}$$

$$2571. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{2,4}$$

$$2572. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{2,4}$$

2573.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2574. \ e_{1,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$2575. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2576.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2577.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2578. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2579. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2580.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2581. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,5} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,5} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{2,6}, \neg e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{2,6}, \neg e_{2,6}}, \neg e_{2,6} \lor t_$$

$$2582. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2583. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2584. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2585. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2586. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2587. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2588. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2589. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2$$

$$2590. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2,4} \lor \neg e_$$

$$2591. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4}, \neg e_$$

$$2592. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4}$$

$$2593. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2594. \ e_{2,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$2595. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2596. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2597. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{1,4}$$

$$2598. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{1,4}$$

$$2599. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{1,4}$$

$$2600. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$2601. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2602. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2603.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2604.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2605. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$2606. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$2607. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$2608. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_$$

$$2609. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$2610. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$2611. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$2612. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$2613. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$2614. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg$$

$$2615. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$2616. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$2617. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$2618. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$2619. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_$$

$$2620. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$2621. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg$$

$$2622. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$2623. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$2624. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$2625. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor e_{3,4} \lor \neg e_{4,5}$$

$$2626. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4$$

$$2627. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$2628. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e$$

$$2629. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$2630. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$2631. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg$$

$$2632. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$2633. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

$$2634. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6}$$

$$2635. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

$$2636. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$2637. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2638. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$2639. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \, \neg e_{4,6}}, e_{4,5} \vee t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vee \neg e_{4,6} \vee t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2640. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$2641. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$2642. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$2643. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$2644. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$2645. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vee t_{e_{1,5}, e_{2,5}} \vee \neg e_{4,6}$$

$$2646. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$2647. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,5}, e_{2,5}} \lor \neg e_{4,6}$$

$$2648. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$2649. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2650. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$2651. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2652. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$2653. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$2654. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$2655. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$2656. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$2657. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$2658. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$2659. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$2660. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$2661. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$2662. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,$$

$$2663. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$2664. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$2665. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{4,6$$

2666.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2667. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2668. \ e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$2669. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2670.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2671. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{4,6$$

$$2672. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2673. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2674. \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2675. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{4$$

$$2676. \ \ e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$2677. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{4,6$$

$$2678. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2679. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2680. \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2681. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2682.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2683. \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2684. \ e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$2685. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2686. \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2687. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{5,6} \lor \neg e_{5,6$$

$$2688. \ \ e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, \, e_{2,5}} \vdash t_{\lnot e_{1,5}, \, e_{2,5}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}}$$

$$2689. \ \ e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \, e_{5,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

2690.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2691. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2692.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2693. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2694.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2695. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2696.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2697. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

2698.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

2699.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2700. \ e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

2701.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2702. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$2703. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

2704.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2705.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2706. \ \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$2707. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

2708.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2709. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$2710. \ e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2711.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2712. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$2713. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_$$

$$2714. \ \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$2715. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2716. \ \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$2717. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2718.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2719. \ \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

$$2720. \ \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{\lnot e_{1,6}, \, e_{2,6}} \vdash t_{\lnot e_{1,6}, \, e_{2,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}}$$

$$2721. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2722.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2723. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \lor r_{\neg e_{4,6}, \neg$$

$$2724. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2725. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

2726.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2727. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2728.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2729. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{$$

$$2730. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_$$

$$2731. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{3,$$

$$2732. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg$$

$$2733. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \,$$

$$2734. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2735. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e$$

$$2736. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2737. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}$$

$$2738. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,$$

$$2739. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,$$

$$2740. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_$$

$$2741. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,$$

$$2742. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_$$

$$2743. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg$$

$$2744. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_$$

$$2745. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{1,4} \lor$$

$$2746. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e$$

$$2747. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_$$

$$2748. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2749. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{1,5}, e_{1,6} \lor e_{1,5}, e_{1,6} \lor e_{1,5}, e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor$$

$$2750. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e$$

$$2751. \ \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{1$$

$$2752. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{$$

$$2753. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,5}, e_{2,6} \lor t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{$$

$$2754. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,5}, \neg e_{2,6} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{2,$$

$$2755. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,4} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,4} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,4} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{$$

$$2756. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,4}$$

$$2757. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{2,6}, \neg e_$$

$$2758. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor$$

$$2759. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, e_{2,4} \lor \neg e_{2,5}, e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{2,5}, e_{2,6$$

$$2760. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2761. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,5} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$2762. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg e_{2,4} \lor \neg e_{1,4}$$

$$2763. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{1,4}$$

$$2764. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \vee t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{1,4} \vee \neg e_{4,5}$$

$$2765. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, \neg e_{4,6} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee \neg e_{1,4}$$

$$2766. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{e_{4,5}, e_{4,6}} \lor \neg e_{1,4}$$

$$2767. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,5} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$2768. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, \neg e_{4,6} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee \neg e_{1,4}$$

$$2769. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor e_{3,4} \lor \neg e_{1,4}$$

$$2770. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{1,4} \lor \neg e_{4,5}$$

$$2771. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,6} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$2772. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{2,4} \lor t_{e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor \neg e_{1,4}$$

$$2773. \ \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2774. \ \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_$$

$$2775. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{$$

$$2776. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,$$

$$2777. \ \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4$$

$$2778. \ \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_$$

$$2779. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg$$

$$2780. \ \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{$$

$$2781. \ \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1$$

$$2782. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2783. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}$$

$$2784. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2785. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$2786. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2787. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$2788. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2789. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2790. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2791. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2792. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2793. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2794. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2795. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2796. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2797. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \,$$

$$2798. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg$$

$$2799. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg$$

$$2800. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4},$$

$$2801. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{2,4}$$

$$2802. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{2,4}$$

$$2803. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{2,4}$$

$$2804. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{2,4}$$

2805.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2806. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2807.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2808. \ e_{1,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$2809. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2810.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2811.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2812.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2813. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{1,5}, \neg e_{2,6}}, \neg e$$

$$2814. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2815. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2816. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2817. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2818. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2819. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2820. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2821. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2822. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2,4} \lor \neg e_$$

$$2823. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2824. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2,4} \lor \neg$$

2825.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2826.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2827. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2828. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2829. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$2830. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{1,4}$$

$$2831. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{1,4}$$

$$2832. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$2833. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2834. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2835. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2836. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2837. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$2838. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$2839. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{3,4},\, e_{4,6}} \lor e_{4,6} \lor$$

$$2840. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor$$

$$2841. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$2842. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_$$

$$2843. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$2844. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor$$

$$2845. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$2846. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor$$

$$2847. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$2848. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$2849. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$2850. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor e_{4,5} \lor e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \lor e_{4,5} \lor e_{4,6} \lor$$

$$2851. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor$$

$$2852. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$2853. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_$$

$$2854. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$2855. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,6},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{$$

$$2856. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$2857. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,6} \lor e_{4,5} \lor e_{3,4}$$

$$2858. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,6},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,6},\, e_{4,6}} \lor \neg t_{e_{4,6},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,6},\, e_{4,6}} \lor \neg t_{e_{4,6},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,6} \lor t_{e_{4,6},\, e_{4,6}}, \neg$$

$$2859. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$2860. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor e_{4,5}$$

$$2861. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor$$

2862.
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$2863. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_$$

2864.
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$2865. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor \neg e_{5,6}$$

$$2866. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,5$$

$$2867. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{4,6$$

$$2868. \ \ e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5},\, e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5},\, \lnot e_{2,5}} \vdash e_{4,6} \lor t_{\lnot e_{1,5},\, \lnot e_{2,5}} \lor \lnot t_{e_{4,5},\, e_{4,6}}, \lnot e_{4,5} \lor e_{4,6} \lor \lor e_{4$$

$$2869. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{4$$

$$2870. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$2871. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{5,6} \lor \neg e_{5,6} \lor$$

$$2872. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2873. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$2874. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$2875. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor \neg e_{5,6}$$

$$2876. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$2877. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{5,6} \lor \neg e_{5,6} \lor$$

2878.
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$2879. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{4$$

$$2880. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$2881. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor \neg$$

$$2882. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$2883. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,5}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,$$

$$2884. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$2885. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e_{4,6}$$

$$2886. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$2887. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor \neg$$

$$2888. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$2889. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e_{4,6}$$

$$2890. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$2891. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor \neg$$

$$2892. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$2893. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor \neg e_{$$

$$2894. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$2895. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{$$

$$2896. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

2897.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

2898.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2899.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2900. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

2901.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2902. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \,$$

$$2903. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2904. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2905. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2906. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \,$$

2907.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2908.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2909. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2910.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2911.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2912. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

2913.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2914. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{5,6} \lor e$$

2915.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2916. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2917.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2918. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2919.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2920. \ \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2921. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2922. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2923. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2924. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{5,6} \lor e_{5,$$

2925.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2926. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor e$$

$$2927. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

2928.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2929.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

2930.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2931.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

2932.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2933. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$2934. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

2935.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2936. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2937. \ \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$2938. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

2939.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2940.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2941.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2942. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$2943. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

2944.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2945.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2946. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

2947.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2948. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$2949. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2950. \ \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

2951.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

2952.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$2953. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$2954. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$$

2955.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2956. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

$$2957. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash t_{e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

2958.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$2959. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash t_{e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$2960. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$$

$$2961. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3$$

$$2962. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_$$

$$2963. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor$$

$$2964. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_$$

$$2965. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor$$

$$2966. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_$$

$$2967. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}}$$

$$2968. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_$$

$$2969. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$2970. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_$$

$$2971. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}}$$

$$2972. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor$$

$$2973. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2974. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e$$

$$2975. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_$$

$$2976. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2977. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor$$

$$2978. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2979. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,$$

$$2980. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_$$

$$2981. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2982. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e$$

$$2983. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2984. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2985. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{1,5}, e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor$$

$$2986. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e$$

$$2987. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e$$

$$2988. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{1,4}, e_{1,4} \lor e_{1,4} \lor$$

$$2989. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,5}, e_{2,6} \lor t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,5}, e_{2,6} \lor t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{2,5}, \, e_{2$$

$$2990. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e$$

$$2991. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,4}$$

$$2992. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,4}$$

$$2993. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{2,5}, \neg e_{2,6} \lor \neg e_{2,6}, \neg e_{$$

$$2994. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$2995. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,5}, e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{2,5}, e_{2$$

$$2996. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor$$

$$2997. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor \neg e_{2,4} \lor \neg e_{1,4}$$

$$2998. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,6} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$2999. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{1,4}$$

$$3000. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \vee t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{1,4} \vee \neg e_{4,5}$$

$$3001. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,6} \vee t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee \neg e_{1,4}$$

$$3002. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{e_{4,5}, e_{4,6}} \lor \neg e_{1,4}$$

$$3003. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,5} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$3004. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,6} \vee t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee \neg e_{1,4}$$

$$3005. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor e_{3,4} \lor \neg e_{1,4}$$

$$3006. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{1,4} \lor \neg e_{4,5}$$

$$3007. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,6} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$3008. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{2,4} \lor t_{e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor \neg e_{1,4}$$

$$3009. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3010. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,$$

$$3011. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3012. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}},$$

$$3013. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3014. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_$$

$$3015. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3016. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4$$

$$3017. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}$$

$$3018. \ \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3019. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}$$

$$3020. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3021. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$3022. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3023. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}$$

$$3024. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3025. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3026. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3027. \ \ e_{1,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor t_{e_{1,2}, \lnot e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, e_{1,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, \lnot e_{1,3}}$$

$$3028. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3029. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3030. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3031. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3032. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3033. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \,$$

$$3034. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg$$

$$3035. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg$$

3036.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3037. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{2,4}$$

$$3038. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{2,4}$$

$$3039. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{2,4}$$

$$3040. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{2,4}$$

$$3041. \ e_{1,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3042. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3043. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3044. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3045.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3046.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3047.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3048.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3049. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,5} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,5} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{2,6}, \neg e_{2,6}}, \neg e$$

$$3050. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3051. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3052. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3053. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3054. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3055. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3056. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3057. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2,4} \lor \neg$$

$$3058. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2,4} \lor \neg e_{2,4} \lor$$

$$3059. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

3060.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

3061.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3062.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3063.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3064. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3065. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{1,4}$$

3066.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$3067. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$3068. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{1,4}$$

3069.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3070.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3071.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3072.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3073. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,5}$$

$$3074. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3075. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg$$

$$3076. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$3077. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3078. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$3079. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$3080. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3081. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$3082. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$3083. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$3084. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3085. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor \neg t_{\neg e_{4,5}, \,$$

$$3086. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$3087. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3088. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3089. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg e_{4,5}$$

$$3090. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$3091. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

$$3092. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3093. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3094. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$3095. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3096. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3097. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3098. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3099. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3100. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor e_{3,4} \lor \neg e_{4,5}$$

$$3101. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

$$3102. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{$$

$$3103. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3104. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$3105. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3106. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$3107. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3108. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6$$

3109.
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$3110. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg t_{\neg e_{4,5}, \, e$$

3111.
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$3112. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5}$$

$$3113. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e$$

$$3114. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

3115.
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$3116. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

$$3117. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3118. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$3119. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3120. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$3121. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3122. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3123. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

3124.
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5}$$

$$3125. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3126. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3127. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,5} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor$$

$$3128. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3129. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3130. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$3131. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

3132.
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$3133. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3134.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3135. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

3136.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

3137.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3138.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3139.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3140.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3141.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3142. \ e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3143. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3144.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3145. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{4$$

$$3146. \ \ e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3147. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

3148.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3149. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3150.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3151. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \ \neg e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \ e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \ e_{5,6}} \lor t_{\neg e_{1,4}, \ \neg e_{2,4}}$$

$$3152. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3153.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3154.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3155. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3156.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3157. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3158. \ \ e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3159. \ e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3160.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3161.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3162. \ \ e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}}$$

3163.
$$e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3164. \ \ e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}}$$

3165.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

3166.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3167. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,5}$$

3168.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3169. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,5}$$

3170.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3171.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3172. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

3173.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

3174.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3175. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3176. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3177.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3178. \ \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3179. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

3180.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3181.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3182.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

3183.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3184. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$$

3185.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3186. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$$

3187.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3188. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

3189.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3190. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

3191.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3192. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

3193.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3194. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

3195.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3196. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$$

$$3197. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{$$

$$3198. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3199. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3200. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3201. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3202. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3203. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor$$

$$3204. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3205. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,$$

$$3206. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4$$

$$3207. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1$$

$$3208. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4$$

$$3209. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{4,5},$$

$$3210. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_$$

$$3211. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4$$

$$3212. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3213. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \vee t_{e_{1,2}, e_{1,3}} \vee t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \vee \neg e_{2,4} \vee t_{e_{1,5}, e_{1,6}} \vee \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \vee e_{1,4} \vee$$

$$3214. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e$$

$$3215. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3216. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3217. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{1,5}, e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor e_{1,6}, e_{1,6} \lor e_{1,6} \lor$$

$$3218. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e$$

$$3219. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor e_{1,5} \lor e_{1,$$

$$3220. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{$$

$$3221. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,5}, e_{2,6} \lor t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,4} \lor \neg e_{2,5}, e_{2,6} \lor t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{2,5}, \, e_{2$$

$$3222. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3223. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,4}$$

$$3224. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg e_{1,4}$$

$$3225. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3226. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3227. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3228. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

3229.
$$\neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor \neg e_{2,4} \lor \neg e_{1,4}$$

$$3230. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,6} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$3231. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{1,4}$$

$$3232. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{1,4} \lor \neg e_{4,5}$$

$$3233. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, \neg e_{4,6} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee \neg e_{1,4}$$

$$3234. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{e_{4,5}, e_{4,6}} \lor \neg e_{1,4}$$

$$3235. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,5} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$3236. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,6} \lor \neg e_{1,4}$$

$$3237. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor e_{3,4} \lor \neg e_{1,4}$$

$$3238. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, \neg e_{4,5} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{1,4} \vee \neg e_{4,5}$$

$$3239. \ \, \neg e_{1,4} \vee \neg e_{2,4} \vee \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \vee t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash e_{4,6} \vee \neg e_{2,4} \vee \neg e_{1,4}$$

$$3240. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{2,4} \lor t_{e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor \neg e_{1,4}$$

$$3241. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3242. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_$$

$$3243. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3244. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,$$

$$3245. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3246. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,$$

$$3247. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3248. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{1,$$

$$3249. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$3250. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3251. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$3252. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3253. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$3254. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3255. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e$$

$$3256. \ \, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3257. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3258. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3259. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3260. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3261. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3262. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3263. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3264. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3265. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg$$

$$3266. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4},$$

$$3267. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg$$

$$3268. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \,$$

$$3269. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{2,4}$$

$$3270. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{2,4}$$

$$3271. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{2,4}$$

$$3272. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor e_{2,4}$$

$$3273. \ e_{1,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

3274.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3275.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3276. \ e_{1,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3277. \ e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3278.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3279.
$$e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3280. \ e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3281. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,5} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,5} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{2,6} \lor t_{\neg e_{2,6}, \neg e_{2,6}}, \neg e$$

$$3282. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3283. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3284. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3285. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3286. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3287. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3288. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3289. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3290. \ \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4}$$

$$3291. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4$$

$$3292. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

3293.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3294. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3295. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

3296.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3297. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$3298. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$3299. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$3300. \ e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

3301.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3302.
$$e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3303. \ e_{2,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3304. \ e_{2,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3305. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5},\lnot e_{4,6}} \vdash \lnot t_{\lnot e_{4,5},\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor t_{e_{4,5},\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor t_{e_{4,5},\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor t_{e_{4,5},\lnot e_{4,6}}$$

$$3306. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3307. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_$$

3308.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}}, \neg e_{4,6}, \neg e_{4,5} \lor t_{\neg e_{1,4}}, \neg e_{2,4} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{4,5}}, \neg e_{4,6}$$

3309.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}}, \neg e_{4,6}, \neg e_{4,5} \lor t_{\neg e_{1,4}}, \neg e_{2,4} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{4,5}}, \neg e_{4,6}$$

$$3310. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3311. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{4,6} \lor$$

$$3312. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{4,6}, \neg e_{4,6}} \lor \neg t_{\neg e_{4,6}, \neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_$$

$$3313. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3314. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash \lnot e_{3,4} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor t_{\lnot e_{3,4}, e_{3,4}$$

$$3315. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, \lnot e_{4,6$$

$$3316. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{4,6}, \lnot e_{$$

3317.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3318. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{4,6}, \neg e_{4,6}} \lor \neg t_{\neg e_{4,6}, \neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_$$

$$3319. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,$$

$$3320. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_$$

$$3321. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg e_{4,6}$$

$$3322. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{4,5} \lor \lnot t_{\lnot e_{4,5},\lnot e_{4,6}} \vdash \lnot t_{\lnot e_{4,5},\lnot e_{4,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor \lnot e_{4,6} \lor e$$

3323.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3324. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4$$

$$3325. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}},$$

$$3326. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$3327. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3328. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_$$

$$3329. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{$$

3330.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3331. \ e_{4,5} \vee \neg e_{4,6} \vee \neg t_{e_{4,5},\, \neg e_{4,6}}, e_{4,6} \vee t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \vee e_{4,5} \vee \neg t_{e_{4,5},\, \neg e_{4,6}}$$

$$3332. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4}$$

$$3333. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$3334. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,$$

$$3335. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor t_{e_{4,5},\lnot e_{4,6}} \lor t_{e_{4,5},\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor t_{e_{4$$

$$3336. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,$$

$$3337. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}}, \neg$$

$$3338. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3339. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$3340. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3341. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, \lnot e_{4$$

$$3342. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6},$$

$$3343. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, \lnot e_{4,6}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, \lnot e_{4,6$$

$$3344. \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}}, \lnot e_{4,6}, \lnot e_{4,5} \lor t_{e_{1,5}}, \lnot e_{2,5} \vdash t_{e_{1,5}}, \lnot e_{2,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}}, \lnot e_{4,6}, \lnot e_{4,$$

$$3345. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_$$

$$3346. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,6},$$

$$3347. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg e_$$

$$3348. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_$$

$$3349. \ e_{4,5} \vee \neg e_{4,6} \vee \neg t_{e_{4,5},\, \neg e_{4,6}}, e_{4,6} \vee t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash e_{4,5} \vee \neg t_{e_{4,5},\, \neg e_{4,6}} \vee t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$3350. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$3351. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3352. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_{5$$

$$3353. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor e_{4,5} \lor e_{4,5} \lor e_{4,5} \lor$$

$$3354. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,6}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor e_{4,5} \lor \lnot t_{e_{4,6}, \lnot e_{5,6}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor e_{4,6} \lor e_{4,6}, e_{4,6} \lor e_{4,6} \lor e_{4,6}, e_{4,6} \lor e_{4,6}, e_{4,6} \lor e_{4,6} \lor e_{4,6}, e_{4,6} \lor e_{4,6}, e_{4,6} \lor e_{4,6}, e_{4,6} \lor e_{4,6}, e_{4,6} \lor e$$

$$3355. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{4,6} \lor$$

$$3356. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

3357.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3358. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,6},\lnot e_{5,6}} \vdash \lnot e_{5,6} \lor e_{4,5} \lor \lnot t_{e_{4,6},\lnot e_{5,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, e_{4,6} \lor e_{4,6}, e_{4,6}$$

$$3359. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3360. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$3361. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}$$

$$3362. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

3363.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3364. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_{5$$

3365.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3366. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

3367.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3368. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

3369.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3370. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \,$$

3371.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3372.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3373.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3374. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

3375.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3376. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

3377.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3378. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

3379.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3380. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

3381.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3382.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3383.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3384. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3385. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3386. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

3387.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3388. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3389. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3390. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg e$$

$$3391. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3392. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{5,6} \lor \neg t_{2,4}, e_{5,6} \lor e_{5,6}$$

3393.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3394.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3395.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3396. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3397. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

3398.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

3399.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}}$$

3400.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

3401.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3402. \ e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

$$3403. \ \ e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$3404. \ e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3405. \ \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3406. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3407. \ \ e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$3408. \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3409. \ \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

3410.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3411. \ \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3412. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3413. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

3414.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3415. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3416.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3417.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3418. \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{\lnot e_{1,6}, e_{2,6}} \vdash t_{\lnot e_{1,6}, e_{2,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3419. \ \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \lor r_{\neg e_{5,6}} \lor r_{\neg$$

$$3420. \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{\lnot e_{1,6}, \, e_{2,6}} \vdash t_{\lnot e_{1,6}, \, e_{2,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}}$$

$$3421. \ \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,6}, e_{5,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3422. \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \vdash t_{e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3423. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

$$3424. \ e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \vdash t_{e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$3425. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

3426.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3427. \ e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3428.
$$e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3429. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{$$

$$3430. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_$$

$$3431. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3432. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3433. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5$$

$$3434. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{4,5$$

$$3435. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3436. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3437. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,$$

$$3438. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}}$$

$$3439. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1$$

$$3440. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor$$

$$3441. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{$$

$$3442. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor$$

$$3443. \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_$$

$$3444. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor$$

$$3445. \ \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{1,5}, \, e_{1,6}} \lor e_{2,4}$$

$$3446. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,4}$$

$$3447. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$3448. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash e_{2,4} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$3449. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_$$

$$3450. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

$$3451. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{2,4}$$

$$3452. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,4} \lor e_{2$$

$$3453. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor$$

$$3454. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4} \lor e_{2,5}, e_{2,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,5}, e_{2,6} \lor e_{2$$

$$3455. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4} \lor e_{2,4} \lor e_{2,4}$$

$$3456. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4} \lor e_{2,5}, \neg e_{2,6} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4} \lor e_{2,5}, \neg e_{2,6} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4} \lor e_{2,5}, \neg e_{2,6} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4} \lor e_{2,5}, \neg e_{2,6} \lor \neg e_{2,6}$$

$$3457. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4} \lor e_{2,4} \lor e_{2,4}$$

$$3458. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4} \lor e_{2,4} \lor e_{2,5}, \neg e_{2,6} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,5}, \neg e_{2,6} \lor \neg e_{2,6$$

$$3459. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg e_{1,4}$$

$$3460. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \lor \neg e_{1,4}$$

$$3461. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg$$

$$3462. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$3463. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3464. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$3465. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}$$

$$3466. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$3467. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3468. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

3469.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3470. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3471. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3472. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

$$3473. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3474. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3475. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,5} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3476. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3477. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash e_{3,4} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3478. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

$$3479. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3480. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash e_{3,4} \lor t_{e_{4,5}, \, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3481. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$3482. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3483. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$3484. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3485. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$3486. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3487. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$3488. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3489. \ e_{1,4} \vee t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \vee t_{e_{1,2},\, e_{1,3}} \vee t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \vee t_{e_{1,2},\, e_{1,3}} \vee t_{\neg e_{1,4},\, e_{2,4}}$$

$$3490. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3491. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$3492. \ e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3493. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3494. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3495. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3496. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3497. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor$$

3498.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3499. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \,$$

$$3500. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3501. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

$$3502. \ \ e_{1,4} \lor t_{\lnot e_{1,4}, \, e_{2,4}}, \lnot e_{1,4} \lor e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \, e_{2,4}} \vdash \lnot t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{\lnot e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e$$

$$3503. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

3504.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4}$$

3505.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3506.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3507.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3508.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3509.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3510. \ e_{1,4} \lor t_{\lnot e_{1,4},\, e_{2,4}}, \lnot e_{1,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\lnot e_{1,4},\, e_{2,4}}$$

3511.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3512.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3513. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3514. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3515. \ \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3516. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$3517. \ \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3518. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash t_{e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3519.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3520. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3521.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3522.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3523.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3524.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3525.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4}$$

$$3526. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3527. \ \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg e_{1,4}$$

3528.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4}$$

3529.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3530.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3531.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3532.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3533.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}}$$

3534.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}}$$

$$3535. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e$$

$$3536. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}}$$

$$3537. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg t_{\neg e_{4,5},$$

$$3538. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3539. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3540. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$3541. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3542. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$3543. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$3544. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3545. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$3546. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$3547. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$3548. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3549. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3550. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$3551. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

$$3552. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3553. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg e_{4,5}$$

$$3554. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor$$

$$3555. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3556. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3557. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3558. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$3559. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3560. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3561. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3562. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3563. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3564. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor e_{3,4} \lor \neg e_{4,5}$$

$$3565. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor e$$

$$3566. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3567. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,6} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg$$

$$3568. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$3569. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3570. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6$$

$$3571. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3572. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{$$

$$3573. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3574. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$3575. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

$$3576. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{$$

$$3577. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$3578. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6$$

3579.
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$3580. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e$$

$$3581. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3582. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$3583. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,5$$

$$3584. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$3585. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3586. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3587. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3588. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3589. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3590. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3591. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3592. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$3593. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3594. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$3595. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,5$$

$$3596. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$3597. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3598. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3599. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

3600.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3601. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3602.
$$e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3603. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3604.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

$$3605. \ \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3606.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3607. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

3608.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3609. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

3610.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3611. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3612.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3613. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3614. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

3615.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3616.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3617.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3618.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3619. \ \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{5,6} \lor \neg$$

3620.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3621. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3622.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3623. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3624.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3625. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3626.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3627.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3628.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3629.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3630.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3631. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

3632.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3633.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

3634.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

3635.
$$\neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}}$$

3636.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3637. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

3638.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3639.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3640.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3641.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3642.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3643. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

3644.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3645. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$3646. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

$$3647. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$3648. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, \neg e_{5,6}}$$

$$3649. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3650. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, \neg e_{5,6}}$$

3651.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3652. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

3653.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3654. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, \neg e_{5,6}}$$

$$3655. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3656. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

3657.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3658. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

3659.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3660. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, \neg e_{5,6}}$$

$$3661. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3662. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3663. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\,$$

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3664. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}
3665. \  \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},\,
3666. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}
3667. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}, \, e_{3,4}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3,5}, \, e_{
3668. \  \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6},\, e_{3,4}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \vdash t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{2,4},\, e_{2,4}} \lor t_{\neg e_{2,4},
3669. \  \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6},\, e_{3,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{
3670. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}, \, e_{3,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{4
3671. \  \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}
3672. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{4,5}, \, e_{4,
3673. \  \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6},\, e_{3,4}} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_
3674. \  \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}
3675. \  \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\,
3676. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,
3677. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{2,4}
3678. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,4}
3679. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}
3680. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash e_{2,4} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}
3681. \ \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor
3682. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_
3683. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{2,4}
3684. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,4}
3685. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor 
3686. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4}
3687. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4}
3688. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4} \lor e_{2,4} \lor e_{2,5}, \neg e_{2,6} \lor \neg e_{2,6}
3689. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4}
3690. \  \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4}
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$$3691. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg e_{1,4}$$

$$3692. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \lor \neg e_{1,4}$$

$$3693. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,$$

$$3694. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$3695. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3696. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$3697. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg$$

$$3698. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$3699. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4}$$

$$3700. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$3701. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,5} \lor \neg e_{1,4} \lor e_{2,4}$$

3702.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3703. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3704. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

3705.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3706. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

3707.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor \neg e_{1,4} \lor e_{2,4}$$

3708.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3709. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash e_{3,4} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3710. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

3711.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3712. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash e_{3,4} \lor t_{e_{4,5},\, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3713. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

3714.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4}$$

$$3715. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$3716. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3717. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$3718. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3719. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

3720.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4}$$

$$3721. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3722. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

3723.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3724. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$3725. \ e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3726. \ e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3727. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3728. \ e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3729. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg$$

$$3730. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t$$

$$3731. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \,$$

$$3732. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg$$

3733.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$3734. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

3735.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$3736. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

3737.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3738.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3739.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3740.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3741.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3742. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3743. \ e_{1,4} \lor t_{\lnot e_{1,4}, \, e_{2,4}}, \lnot e_{1,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\lnot e_{1,4}, \, e_{2,4}}$$

3744.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3745. \ \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3746. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3747. \ \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{2,3}}$$

$$3748. \ \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$3749. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3750. \ \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash t_{e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3751. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3752. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3753.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3754.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3755.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3756. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3757. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3758. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3759. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3760. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

3761.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3762.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3763.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3764. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3765.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}}$$

$$3766. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e$$

$$3767. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e$$

3768.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}}$$

$$3769. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$3770. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{$$

$$3771. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4$$

3772.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3773. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

$$3774. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}, e_{$$

$$3775. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor e$$

$$3776. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}, \lnot e_{4,6}}, \lnot e_{4,6} \lor$$

$$3777. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,6}, e_{4,6}}, e_{4,6} \lor \tau_{\neg e_{4,6}, e_{4,6}}, e_{4,6}$$

$$3778. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash \lnot e_{3,4} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor$$

$$3779. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$3780. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{4,6}, e_{4,6}}, e_{4,6} \lor t_{\neg e_{4,6},$$

$$3781. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg$$

$$3782. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3783. \ e_{4,5} \vee \neg e_{4,6} \vee \neg t_{e_{4,5},\, \neg e_{4,6}}, \neg e_{4,5} \vee t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \vee \neg e_{4,6} \vee \neg t_{e_{4,5},\, \neg e_{4,6}}$$

$$3784. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{4,6}, \neg e$$

$$3785. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,5} \lor \lnot e_{4,6}$$

$$3786. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5},\lnot e_{4,6}} \vdash \lnot t_{\lnot e_{4,5},\lnot e_{4,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor \lnot e_{4,6} \lor \lnot e_{4,6} \lor \lnot e_{4,6} \lor e_{4,6}$$

$$3787. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_$$

$$3788. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4$$

$$3789. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3790. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{$$

3791.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3792. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3793. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6},$$

$$3794. \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot t_{e_{4,6}, \lnot e_$$

$$3795. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3796. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4}$$

$$3797. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$3798. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3799. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}},$$

$$3800. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot e_{4,6}, \lnot e_{4,6} \lor \lnot e_{4,6}, \lnot e_{4,$$

$$3801. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot t_$$

$$3802. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3803. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_$$

$$3804. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3805. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor t_{e_{4,5},\lnot e_{4,6}} \lor t_{e_{4,5},\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor t_{e_{4$$

$$3806. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}$$

$$3807. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$3808. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6},$$

$$3809. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot t_{e_{4,6}, \lnot e_$$

$$3810. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg$$

$$3811. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg$$

$$3812. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

$$3813. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3814. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,$$

$$3815. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3816. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_{5$$

$$3817. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{4,6$$

$$3818. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_{5$$

3819.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}}, \neg e_{4,6}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3820. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \lnot t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor \lnot t_{e_{4,6}, e_{5,6}} \lor \lnot t_{e_{4,6}, e_{5,$$

$$3821. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_$$

$$3822. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_{5$$

3823.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3824. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$3825. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5},$$

$$3826. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$3827. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5},$$

$$3828. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,6},\lnot e_{5,6}} \vdash \lnot e_{5,6} \lor e_{4,5} \lor \lnot t_{e_{4,6},\lnot e_{5,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, e_{4,6} \lor e_{4,6}, e_{4,6} \lor e_{4,6} \lor e_{4,6}, e_{4,6}, e_{4,6} \lor e_{4,6}, e_{4,6}$$

3829.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3830. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3831.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3832. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

3833.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

$$3834. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

3835.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

$$3836. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3837.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3838. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

3839.
$$\neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3840. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3841.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3842. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3843.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3844. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg t_{e_{4,6},\, \neg e_{4,6}} \lor \neg t_$$

$$3845. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

3846.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3847.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3848. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3849.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3850. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3851.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3852. \ \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3853.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3854. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3855.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3856. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3857.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3858.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3859.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3860. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3861. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

3862.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3863.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3864. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

3865.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

$$3866. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

$$3867. \ e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg e_{4,5}$$

3868.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

3869.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3870.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3871. \ e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg e_{4,5}$$

3872.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3873.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

3874.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3875.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3876.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$3877. \ e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}}$$

3878.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

3879.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3880.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3881. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3882.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3883. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor \neg e_{5,$$

3884.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3885. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3886.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3887. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}}$$

3888.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3889. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}}$$

3890.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3891.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3892.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3893. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6},\, e_{3,4}} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg$$

$$3894. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3895. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,$$

$$3896. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,5}, \, e_{3,6}} \lor t_{\neg e_{1,5}, \, e_{3,$$

$$3897. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3898. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_{4,5},\, \neg$$

$$3899. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6},\, e_{3,4}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{3,5},$$

$$3900. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \vdash t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{4,6} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_$$

$$3901. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}, e_{3,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4$$

$$3902. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e$$

$$3903. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3904. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\,$$

$$3905. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{4,$$

$$3906. \ \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{e_{4,5},$$

$$3907. \ \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{$$

$$3908. \ \, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_{4,5},\, \neg$$

$$3909. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{2,4}$$

$$3910. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,4}$$

$$3911. \ \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$3912. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash e_{2,4} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$3913. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_$$

$$3914. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_$$

$$3915. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{2,4}$$

$$3916. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,4} \lor e_{2$$

$$3917. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor$$

$$3918. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4} \lor e_{2,5}, e_{2,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,5}, e_{2,6} \lor e_{2$$

$$3919. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4}$$

$$3920. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4}$$

$$3921. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4}$$

$$3922. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4}$$

$$3923. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor e_{2,4}$$

$$3924. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \lor \neg e_{1,4}$$

$$3925. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg$$

$$3926. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$3927. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3928. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$3929. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg$$

$$3930. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$3931. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$3932. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

3933.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,5} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3934. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3935. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor$$

3936.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

$$3937. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3938. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor e_{2,4$$

3939.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor \neg e_{1,4} \lor e_{2,4}$$

3940.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3941. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash e_{3,4} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3942. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

$$3943. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3944. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash e_{3,4} \lor t_{e_{4,5},\, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

$$3945. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$3946. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3947. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$3948. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3949. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$3950. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3951. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$3952. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3953. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3954. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3955. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$3956. \ \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$3957. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3958. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3959. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3960. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3961. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg$$

$$3962. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg$$

$$3963. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg$$

$$3964. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg$$

$$3965. \ \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

3966.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$3967. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

3968.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4}$$

3969.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3970.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3971.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3972.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3973.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3974.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3975.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3976.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3977. \ \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3978. \ \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3979. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$3980. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$3981. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3982. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash t_{e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3983. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3984.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3985.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3986.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3987.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3988.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3989. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3990. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3991. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$3992. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

3993.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3994. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

3995.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3996. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3997. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e$$

$$3998. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e$$

$$3999. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e$$

$$4000. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e$$

$$4001. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4002. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$4003. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \vee t_{\neg e_{1,4}, \neg e_{2,4}} \vee t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \vee \neg e_{4,6} \vee t_{\neg e_{1,4}, \neg e_{2,4}} \vee \neg e_{4,5}$$

$$4004. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_$$

$$4005. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4006. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg$$

$$4007. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$4008. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_$$

$$4009. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4010. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg$$

4011.
$$\neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$4012. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4013. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$4014. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$4015. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,$$

$$4016. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vee \neg e_{4,6} \vee \neg e_{4,6$$

$$4017. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4018. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4019. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$4020. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4021. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \vee t_{e_{1,4}, \neg e_{2,4}} \vee t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \vee \neg e_{4,6} \vee e_{3,4} \vee \neg e_{4,5}$$

$$4022. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \vee \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vee \neg e_{4,6} \vee \neg e_{4$$

$$4023. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4024. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \vee t_{e_{1,4}, \, e_{2,4}} \vee t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{3,4} \vee t_{e_{1,4}, \, e_{2,4}} \vee \neg e_{4,6} \vee \neg e_{4,5} \vee \neg e_{4,6} \vee \neg e_{4$$

$$4025. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$4026. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$4027. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg$$

$$4028. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4029. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

$$4030. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$4031. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

$$4032. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4$$

$$4033. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4034. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4035. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4036. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$4037. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vee \neg e_{4,6} \vee \neg e_{4,6$$

$$4038. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4039. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$4040. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$4041. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,5}, e_{2,5}} \lor \neg e_{4,6}$$

$$4042. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6}$$

$$4043. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vee t_{e_{1,5}, \, e_{2,5}} \vee \neg e_{4,6}$$

$$4044. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4045. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4046. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{\neg e_{4,6}, \neg e_{4,6}} \lor \neg t_$$

$$4047. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4048. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4049. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4050. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{\neg e$$

$$4051. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4052. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$4053. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$4054. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4055. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$4056. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$4057. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$4058. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$4059. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$4060. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4061. \ \ e_{4,5} \lor t_{\lnot e_{1,4}, \, e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \, \lnot e_{4,6}} \vdash \lnot t_{\lnot e_{4,5}, \, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, \, e_{2,4}}$$

4062.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4063. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4064. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$4065. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

4066.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

$$4067. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

4068.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

4069.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4070. \ \ e_{4,5} \lor t_{\lnot e_{1,4}, \ e_{2,4}}, \lnot e_{4,5} \lor t_{e_{1,4}, \ \lnot e_{2,4}} \vdash t_{e_{1,4}, \ \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, e_{2,4}}$$

$$4071. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$4072. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$4073. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4074.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4075. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4076.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4077. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4078.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4079. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4080.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4081. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

4082.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4083. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4084. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$4085. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$4086. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$4087. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$4088. \ \ e_{4,5} \lor t_{\lnot e_{1,4}, \ e_{2,4}}, \lnot e_{4,5} \lor t_{e_{1,5}, \ \lnot e_{2,5}} \vdash t_{e_{1,5}, \ \lnot e_{2,5}} \lor t_{\lnot e_{1,4}, \ e_{2,4}}$$

$$4089. \ e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$4090. \ e_{4,5} \lor t_{\lnot e_{1,4},\, e_{2,4}}, \lnot e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\lnot e_{1,4},\, e_{2,4}}$$

$$4091. \ e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4092.
$$e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4093. \ e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg e_{4,5}$$

4094.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4095.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4096. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

4097.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

$$4098. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

$$4099. \ \ e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg e_{4,5}$$

4100.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

4101.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4102.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

4103.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

4104.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4105. \ \ e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg e_{4,5}$$

$$4106. \ e_{4,6} \lor t_{\lnot e_{1,4},\, e_{2,4}}, \lnot e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\lnot e_{1,4},\, e_{2,4}}$$

4107.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4108.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4109. \ e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}}$$

4110.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

4111.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4112.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4113. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4114.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4115.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

4116.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4117. \ e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4118.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4119.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

4120.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4121. \ e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}}$$

4122.
$$e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

- 4123. $e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$
- 4124. $e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$
- $4125. \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg$
- $4126. \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4},$
- $4127. \ e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}$
- $4128. \ e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$
- $4129. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3$
- $4130. \ e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$
- $4131. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1$
- $4132. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{4,5},\, \neg e_$
- $4133. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{$
- $4134. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_$
- $4135. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4$
- $4136. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6$
- $4137. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6$
- $4138. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor$
- $4139. \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t$
- $4140. \ e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$
- $4141. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{2,4}$
- $4142. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,4}$
- $4143. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}$
- $4144. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash e_{2,4} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{1,3}}$
- $4145. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, \neg e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4}$
- $4146. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_$
- $4147. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor e_{2,4}$
- $4148. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{1,6}} \lor e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg$
- $4149. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, \neg e_{2,6}} \lor \neg e_{1,4}$

$$4150. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4} \lor e_{2,5}, e_{2,6} \lor e_{2,6} \lor$$

$$4151. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4}$$

$$4152. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor \neg e_{1,4}$$

$$4153. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{2,5},\, e_{2,6}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4}$$

$$4154. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg e_{1,4} \lor e_{2,4} \lor e_{2,5}, \neg e_{2,6} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,5}, \neg e_{2,6} \lor \neg e_{2,6$$

$$4155. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor e_{2,4}$$

$$4156. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \lor \neg e_{1,4}$$

$$4157. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$4158. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$4159. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg$$

$$4160. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$4161. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$4162. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

$$4163. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$4164. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor e_{2,4}$$

4165.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor \neg e_{1,4} \lor e_{2,4}$$

4166.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$4167. \ \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4} \lor e_{1,4} \lor e_{2,4} \lor e_{1,4} \lor e_{2,4} \lor e_{1,4} \lor e_{$$

$$4168. \ \, \neg e_{1,4} \vee e_{2,4} \vee \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \vee t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg e_{1,4} \vee \neg e_{4,5} \vee e_{2,4}$$

$$4169. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$4170. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

4171.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor \neg e_{1,4} \lor e_{2,4}$$

$$4172. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$4173. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash e_{3,4} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

4174.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

4175.
$$\neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor \neg e_{1,4} \lor e_{2,4}$$

$$4176. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash e_{3,4} \lor t_{e_{4,5},\, e_{4,6}} \lor \neg e_{1,4} \lor e_{2,4}$$

$$4177. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$4178. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$4179. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

$$4180. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$4181. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$4182. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$4183. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4} \lor e_{2$$

$$4184. \ \, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

$$4185. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$4186. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4187.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4188. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$4189. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4190. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$4191. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$4192. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{1,6}} \vdash t_{\neg e_{1,5},\, e_{1,6}} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4193. \ e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \,$$

4194.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4195. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg$$

$$4196. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4},\, \neg$$

4197.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$4198. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

4199.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4}$$

4200.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor e_{2,4}$$

4201.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4202.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4203.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4204. \ e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4205.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4206.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4207.
$$e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4208. \ e_{1,4} \lor t_{\lnot e_{1,4},\, e_{2,4}}, \lnot e_{1,4} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{\lnot e_{1,4},\, e_{2,4}}$$

$$4209. \ \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$4210. \ \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4211.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4212. \ \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, e_{2,6}} \vdash t_{e_{2,5},\, e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$4213. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{2,5},\, \neg e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4214. \ \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4215.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4216. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{e_{2,5},\, \neg e_{2,6}} \vdash t_{e_{2,5},\, \neg e_{2,6}} \lor t_{e_{1,2},\, e_{2,3}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4217.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4218.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4219.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4220.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4221.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4}$$

$$4222. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}, \neg e_{2,4} \lor \neg e_{2,4}$$

4223.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4}$$

$$4224. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{1,4}$$

4225.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4226.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4227.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4228.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4229.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}}$$

4230.
$$\neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}}$$

$$4231. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}}$$

$$4232. \ \, \neg e_{2,4} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{1,4},\, e$$

4233.
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4234. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$4235. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{3,4}} \lor e_{4,6} \lor e_{4,6$$

$$4236. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_$$

$$4237. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$4238. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor$$

$$4239. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$4240. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor$$

4241.
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4242. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_$$

$$4243. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$4244. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$4245. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$4246. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor e_{4,5} \lor e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \lor e_{4,5} \lor e_{4,5} \lor e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor e_{4,5} \lor e_{4,5} \lor e_{4,5} \lor e_{4,5} \lor e_{4,6} \lor e_{4,5} \lor e_{4,6} \lor e_{4,5} \lor e_{4,6} \lor e_{4,5} \lor e_{4,6} \lor e_{$$

$$4247. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_$$

4248.
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$4249. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor$$

$$4250. \ \ e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5},\, e_{4,6}}, \lnot e_{4,5} \lor t_{e_{1,4},\, \lnot e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, \lnot e_{2,4}} \lor \lnot t_{e_{4,5},\, e_{4,6}}$$

$$4251. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$4252. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$4253. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor e_{4,5} \lor e_{3,4}$$

4254.
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

4255.
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$4256. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor e_{4,5}$$

$$4257. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_$$

- 4258. $e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$
- $4259. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor$
- $4260. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{e_{4,5},$
- $4261. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor \neg e_{5,6}$
- $4262. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\,\neg e_{2,5}}, \neg e_{4,5} \lor \tau_{\neg e_{1,5},\,\neg e_{2,5}},$
- $4263. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{4,6} \lor \neg e_{4,6$
- $4264. \ \ e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5},\, e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5},\, \lnot e_{2,5}} \vdash e_{4,6} \lor t_{\lnot e_{1,5},\, \lnot e_{2,5}} \lor \lnot t_{e_{4,5},\, e_{4,6}}, \lnot e_{4,5} \lor e_{4,6} \lor e_{4,6} \lor e_{4,5} \lor e_{4,6} \lor e_{4$
- $4265. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{4$
- $4266. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,5},\,e_{2,5}}$
- $4267. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor \neg e_{5,6}$
- $4268. \ \ e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5},\, e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor \lnot t_{e_{4,5},\, e_{4,6}} \lor t_{\lnot e_{1,5},\, e_{2,5}}$
- $4269. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{4$
- $4270. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}$
- $4271. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{5,6} \lor \neg e_{5,6} \lor$
- $4272. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$
- $4273. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor \neg e_{5,6}$
- $4274. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{4,6}}$
- $4275. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{4,6} \lor \neg e_{4,6}$
- $4276. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,5},\, e_{4,6}}$
- $4277. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor \neg e_{$
- $4278. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$
- $4279. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,$
- $4280. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$
- $4281. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,$
- 4282. $e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$
- $4283. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor \neg$
- $4284. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}$

$$4285. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e$$

$$4286. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$4287. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor$$

$$4288. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6},\,\neg e_{2,6}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$4289. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg t_{\neg$$

4290.
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$4291. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,$$

4292.
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$4293. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$4294. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4295. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$4296. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

4297.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

$$4298. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

4299.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

4300.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4301.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4302.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4303. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4304.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4305.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4306. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4307.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4308.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4309. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$4310. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4311.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4312. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4313.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4314. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4315. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

4316.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4317.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4318. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4319.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4320. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4321.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4322. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4323.
$$\neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4324. \ \, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4325. \ \, \neg e_{4,6} \vee t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \vee t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$4326. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4327. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

4328.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4329. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

4330.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

4331.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}}$$

4332.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4333. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$4334. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4335.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4336. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

4337.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4338.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4339. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

4340.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4341.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4342. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

4343.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4344. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, \neg e_{5,6}}$$

4345.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4346. \ \neg e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$$

4347.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4348.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$4349. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4350. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, \neg e_{5,6}}$$

4351.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4352.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

4353.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4354. \ \, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

4355.
$$\neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4356. \ \neg e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$$

$$4357. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{3,5},$$

$$4358. \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,$$

$$4359. \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3,5}, \, e_{3,$$

$$4360. \ e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,$$

$$4361. \ \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{3,5},\,$$

$$4362. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{e_{4,5},$$

$$4363. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_$$

$$4364. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{3,5},\, e_{3,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor$$

$$4365. \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t$$

- $4366. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor e_{4,5} \lor e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}}$
- $4367. \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, e$
- $4368. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\, e_$
- $4369. \ \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{e_{4,5},$
- $4370. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor e_{4,5} \lor e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}}$
- $4371. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{4,5},\, e_$
- $4372. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, \neg e_{4,6}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{e_{4,5},$
- $4373. \ \ e_{3,4} \lor t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor e_{4,5} \lor e_{3,4} \lor t_{\lnot e_{1,4}, \, e_{2,4}}$
- $4374. \ \ e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{$
- $4375. \ \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor e_{4,5} \lor e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}}$
- $4376. \ e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{$
- $4377. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg t_{e$
- $4378. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor e_{1,4}, \neg e_{2,4} \lor e_{1,4}, \neg e_{2,4} \lor e_{1,4}, \neg e_{2,4}, \neg e_{2,4} \lor e_{1,4}, \neg e_{2,4}, \neg e_{2,$
- $4379. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg$
- $4380. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor$
- $4381. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2$
- $4382. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2$
- $4383. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4}$
- $4384. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,5}, e_{1,6$
- $4385. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$
- $4386. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$
- $4387. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}$
- $4388. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}$
- $4389. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$
- $4390. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$
- $4391. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$
- $4392. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$

$$4393. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg$$

$$4394. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4395. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

$$4396. \ \ e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}}, e_{2,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash \lnot t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

$$4397. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

$$4398. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4399. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg$$

$$4400. \ \ e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}}, e_{2,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash \lnot t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

4401.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor \neg e_{2,4} \lor e_{1,4}$$

$$4402. \ e_{1,4} \vee \neg e_{2,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \vee t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee e_{1,4}$$

$$4403. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor e_{1,4}$$

$$4404. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,5} \lor e_{1,4}$$

4405.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg e_{2,4} \lor e_{1,4}$$

$$4406. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

4407.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor \neg e_{2,4} \lor e_{1,4}$$

4408.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg e_{2,4} \lor e_{1,4}$$

$$4409. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{2,4} \lor e_{3,4} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

$$4410. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,5} \lor e_{1,4}$$

$$4411. \ e_{1,4} \vee \neg e_{2,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \vee t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee e_{1,4}$$

$$4412. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash \neg e_{2,4} \lor e_{3,4} \lor t_{e_{4,5}, e_{4,6}} \lor e_{1,4}$$

$$4413. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_{e$$

$$4414. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$4415. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_$$

$$4416. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$4417. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_$$

$$4418. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{2,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg t_{e_{2,4}, \neg e_{2,4}}, \neg e$$

$$4419. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_{e$$

4420.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$4421. \ \neg e_{1,4} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{1,6}}$$

$$4422. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

$$4423. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$4424. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

4425.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$4426. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}$$

$$4427. \ \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}}$$

$$4428. \ \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4429.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4430.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4431.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4432.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4433.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4434.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4435.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4436.
$$\neg e_{1,4} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4437.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$4438. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

4439.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

4440.
$$\neg e_{1,4} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{1$$

$$4441. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$4442. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

4443.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

4444.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$4445. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}}$$

$$4446. \ e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4447. \ e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4448. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{\lnot e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{2,5}, \lnot e_{2,6}} \lor t_{\lnot e_{1,2}, e_{2,3}}$$

$$4449. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \lnot e_{2,3}}$$

$$4450. \ \ e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4451. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}}$$

4452.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}$$

$$4453. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{$$

$$4454. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{$$

$$4455. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{$$

$$4456. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{$$

4457.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4458.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4459.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4460.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4461. \ e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4462. \ e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4463. \ e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

4464.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

4465.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

4466.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

4467.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$4468. \ e_{2,4} \lor t_{e_{1,4}, \, \lnot e_{2,4}}, \, \lnot e_{2,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{1,4}, \, e_{2,4}}$$

$$4469. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

4470.
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4471. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg$$

$$4472. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$4473. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$4474. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$4475. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$4476. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4477. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$4478. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$4479. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$4480. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4481. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg$$

$$4482. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$4483. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6}$$

$$4484. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$4485. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg e_{4,5}$$

$$4486. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$4487. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

$$4488. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$4489. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$4490. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$4491. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$4492. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$4493. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$4494. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$4495. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$4496. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor e_{3,4} \lor \neg e_{4,5}$$

$$4497. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

$$4498. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{$$

$$4499. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor e$$

$$4500. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6$$

- $4501. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $4502. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$
- $4503. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $4504. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{$
- $4505. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6}$
- $4506. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$
- $4507. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$
- $4508. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{$
- $4509. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e$
- $4510. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5}$
- 4511. $\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$
- $4512. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$
- $4513. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$
- $4514. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$
- $4515. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$
- $4516. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$
- $4517. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$
- $4518. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$
- $4519. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$
- $4520. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$
- $4521. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$
- $4522. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$
- $4523. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$
- $4524. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$
- $4525. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$
- $4526. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$
- $4527. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$

4528.
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$4529. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,$$

$$4530. \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$4531. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{4,5}, \, e_{4,6}} \lor t_{\lnot$$

4532.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4533.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$4534. \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, e_{2,4}}$$

$$4535. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,$$

$$4536. \ \ e_{4,5} \lor t_{e_{1,4}, \, \lnot e_{2,4}}, \, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \, e_{2,4}}$$

$$4537. \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}}$$

4538.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

$$4539. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,$$

4540.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

$$4541. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,$$

4542.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$4543. \ e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$4544. \ \ e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,4}, \, e_{2,4}}$$

$$4545. \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}}$$

$$4546. \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$4547. \ e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4548.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4549. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}}$$

4550.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4551.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$4552. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{\lnot e_{1,5}, \, e_{2,5}}$$

$$4553. \ e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4554.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$4555. \ \ e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

4556.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$4557. \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,4}, \lnot e_{2,4}}$$

$$4558. \ e_{4,5} \lor t_{e_{1,4}, \, \lnot e_{2,4}}, \, \lnot e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{1,5}, \, e_{2,5}}$$

$$4559. \ e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4560.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

4561.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4562.
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}}, e_{4,6} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor e_{4,5} \lor \neg t_{e_{4,5}}, e_{4,6}$$

$$4563. \ \, \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5}$$

4564.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$4565. \ \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5}$$

4566.
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,6} \lor t_{\neg e_{1,4}}, e_{2,4} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}}, e_{2,4}$$

4567.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4568. \ \, \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

$$4569. \ \, \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5}$$

4570.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

4571.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

4572.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

4573.
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,6} \lor t_{e_{1,4}}, e_{2,4} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor t_{e_{1,4}}, e_{2,4}$$

4574.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$4575. \ \neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5}$$

$$4576. \ \, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{1,4},\, e_{2,4}}$$

4577.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

4578.
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}}, e_{5,6} \vdash e_{5,6} \lor t_{e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{4,6}}, e_{5,6}$$

4579.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4580. \ \, \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$$

4581.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$4582. \ \, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,6},\, \neg e_{5,6}}$$

4583.
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4584.
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

4585.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$4586. \ \, \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$$

4587.
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$4588. \ \, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

$$4589. \ \, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash t_{e_{1,6},\, e_{2,6}} \lor t_{e_{1,4},\, \neg e_{2,4}}$$

$$4590. \ \, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

4591.
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$4592. \ \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$4593. \ \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{$$

$$4594. \ \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \, \neg e_{3,6}}$$

$$4595. \ \, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{4,6} \lor t_{\neg e_{4,5}, e_{4,6}} \lor$$

$$4596. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{4,6} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,$$

$$4597. \ \, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{4,6} \lor t_{\neg e_{4,5}, e_{4,6}} \lor$$

$$4598. \ \neg e_{3,4} \lor t_{e_{1,4}}, \neg e_{2,4} \lor t_{\neg e_{4,5}}, e_{4,6}, e_{3,4} \lor t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{3,5}}, e_{3,6} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor t_{e_{1,3}}, \neg e_{2,3} \lor t_{e_{3,5}}, e_{3,6} \lor t_{\neg e_{4,5}}, e_{4,6}$$

$$4599. \ \neg e_{3,4} \lor t_{e_{1,4}}, \neg e_{2,4} \lor t_{\neg e_{4,5}}, e_{4,6}, e_{3,4} \lor t_{e_{1,3}}, e_{2,3} \lor t_{\neg e_{3,5}}, e_{3,6} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor t_{\neg e_{4,5}}, e_{4,6} \lor t_{\neg e_{3,5}}, e_{3,6} \lor t_{e_{1,3}}, e_{2,3}$$

$$4600. \ \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{3,5}, \, \neg e_{3,6}} \vdash t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{3,5}, \, \neg e_$$

$$4601. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4602. \ \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{4,$$

$$4603. \ \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,$$

$$4604. \ \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{4,5}, \, e_$$

$$4605. \ \, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}}$$

$$4606. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{e$$

$$4607. \ \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,6} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{4$$

$$4608. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,$$

$$4609. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg t_$$

$$4610. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_$$

$$4611. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4612. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{$$

$$4613. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_$$

$$4614. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4$$

$$4615. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4$$

$$4616. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4$$

$$4617. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4618. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4619. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}$$

$$4620. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}$$

$$4621. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4622. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4623. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4624. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4625. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

$$4626. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4627. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

$$4628. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4629. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

$$4630. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4631. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

$$4632. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

4633.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor \neg e_{2,4} \lor e_{1,4}$$

$$4634. \ e_{1,4} \vee \neg e_{2,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \vee t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee e_{1,4}$$

$$4635. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor e_{1,4}$$

4636.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,5} \lor e_{1,4}$$

$$4637. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg e_{2,4} \lor e_{1,4}$$

$$4638. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

4639.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor \neg e_{2,4} \lor e_{1,4}$$

4640.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg e_{2,4} \lor e_{1,4}$$

$$4641. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{2,4} \lor e_{3,4} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

$$4642. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,5} \lor e_{1,4}$$

4643.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,6} \lor e_{1,4}$$

$$4644. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash \neg e_{2,4} \lor e_{3,4} \lor t_{e_{4,5}, e_{4,6}} \lor e_{1,4}$$

$$4645. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_$$

$$4646. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$4647. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_{e$$

$$4648. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4}, \neg$$

$$4649. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_$$

$$4650. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$4651. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_{e$$

$$4652. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4}, \neg$$

$$4653. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,5}, \, e_{1,6}}$$

$$4654. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

$$4655. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$4656. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4657. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

$$4658. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}$$

$$4659. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}$$

$$4660. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

4661.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4662.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4663.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4664. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

4665.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4666.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4667. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

4668.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4669. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

$$4670. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

$$4671. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

$$4672. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

4673.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$4674. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$4675. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$4676. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$4677. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}}$$

$$4678. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

$$4679. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{\lnot e_{1,2}, e_{2,3}} \lor t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{2,5}, e_{2,6}} \lor t_{\lnot e_{1,2}, e_{2,3}}$$

$$4680. \ e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4681. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{2,5}, \, e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{2,5}, \, e_{2,6}} \lor t_{e_{1,2}, \lnot e_{2,3}}$$

$$4682. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{e_{1,2}, \lnot e_{2,3}} \lor t_{e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{2,5}, \lnot e_{2,6}} \lor t_{e_{1,2}, \lnot e_{2,3}} \lor t_{e_{2,5}, \lnot e_{2,6}} \lor t_{e_{2,5}, \lnot e$$

$$4683. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}}$$

$$4684. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}$$

$$4685. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{$$

$$4686. \ e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{$$

$$4687. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{$$

$$4688. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{$$

4689.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4690.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4691.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4692.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4693. \ \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

$$4694. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

4695.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4696. \ \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

4697.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$4698. \ \ e_{2,4} \lor t_{e_{1,4}, \, \lnot e_{2,4}}, \, \lnot e_{2,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{1,4}, \, e_{2,4}}$$

$$4699. \ e_{2,4} \lor t_{e_{1,4}, \, \lnot e_{2,4}}, \, \lnot e_{2,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{1,4}, \, e_{2,4}}$$

$$4700. \ \ e_{2,4} \lor t_{e_{1,4}, \, \lnot e_{2,4}}, \, \lnot e_{2,4} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{1,4}, \, e_{2,4}}$$

$$4701. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg$$

$$4702. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t$$

$$4703. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \lnot t_{e_{4,5}, e_{4,6}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor \lnot t_{e_$$

$$4704. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_$$

$$4705. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1$$

$$4706. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t$$

$$4707. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor t_{\neg e_{4,6}, \neg e_{4,6}} \lor e_{3,4} \lor e_{4,6} \lor e_{$$

$$4708. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}, e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot$$

$$4709. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4710. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash \lnot e_{3,4} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor t_{\lnot e_{3,4}, e_{3,4}$$

$$4711. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{$$

4712.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4713. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4$$

$$4714. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}}, \lnot e_{4,6$$

$$4715. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4716. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4717. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg e_{4,6}$$

$$4718. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5},\lnot e_{4,6}} \vdash \lnot t_{\lnot e_{4,5},\lnot e_{4,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}} \lor t_{e_{4,5},\lnot e_{4,6$$

$$4719. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{4,6} \lor$$

$$4720. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \lnot t_{e_{4,5}, e_{4,6}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor$$

$$4721. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,$$

$$4722. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$4723. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4724. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_$$

$$4725. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}}, \neg e$$

$$4726. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6},$$

$$4727. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

$$4728. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \lnot e_{4,6} \lor e_{3,4}$$

$$4729. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, \lnot e_{4,6}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, \lnot e_{4,6$$

$$4730. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot e_{4,6}, \lnot e_{4,6} \lor \lnot e_{4,6}, \lnot e_{4,$$

$$4731. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e$$

$$4732. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,$$

$$4733. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg$$

$$4734. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4735. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_$$

$$4736. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \vdash \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{1,5}, e_{2,5}}$$

$$4737. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg$$

$$4738. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6},$$

$$4739. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_$$

$$4740. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4741. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$4742. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4743. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4$$

$$4744. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}}, \neg e$$

$$4745. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4746. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$4747. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4748. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_{5$$

$$4749. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4750. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,6},\lnot e_{5,6}} \vdash \lnot e_{5,6} \lor e_{4,5} \lor \lnot t_{e_{4,6},\lnot e_{5,6}} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, e_{4,6} \lor e_{4,6}, e_{4,6}$$

4751.
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$4752. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$4753. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_$$

$$4754. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_$$

$$4755. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{4,6} \lor$$

$$4756. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$4757. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}$$

$$4758. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$4759. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}$$

$$4760. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_{5$$

4761.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4762. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$4763. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$4764. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

$$4765. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4766. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

$$4767. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$4768. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

4769.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

$$4770. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

4771.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

$$4772. \ \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

4773.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$4774. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

4775.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

4776.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

4777.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4778.
$$\neg e_{4,5} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$4779. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$4780. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

4781.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4782.
$$\neg e_{4,5} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}}, \neg e_{5,6} \vdash \neg e_{5,6} \lor t_{e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{4,5}}, \neg e_{5,6}$$

4783.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4784.
$$\neg e_{4,5} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

4785.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$4786. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

4787.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4788.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$4789. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{1,5},\, e_{2,5}}$$

4790.
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

4791.
$$\neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{1,5},\, e_{2,5}}$$

$$4792. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

$$4793. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,5}, \lnot e_{4,5} \lor e_{4,5}, \lnot e_{4$$

4794.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4795. \ \ e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$4796. \ e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

4797.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4798. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,5} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}$$

$$4799. \ \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,5}$$

4800.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4801.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

$$4802. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,5} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}$$

$$4803. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,5}$$

4804.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

$$4805. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,5}$$

$$4806. \ e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,4}, \, e_{2,4}}$$

4807.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$4808. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,5} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}$$

$$4809. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot$$

4810.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4811. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}}$$

$$4812. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}}$$

4813.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4814.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

$$4815. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}}$$

$$4816. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{\lnot e_{1,6}, e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,6}, e_{2,6}}$$

$$4817. \ e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4818.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$4819. \ \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot e_{4,$$

4820.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$4821. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot e_{4,6},$$

4822.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,6}, e_{2,6}}$$

$$4823. \ e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4824.
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,6}, e_{2,6}}$$

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4825. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5
4826. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5},
4827. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_
4828. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,6} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t
4829. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_
4830. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{4,5, \neg e_{4,6}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor
4831. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}}
4832. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}}
4833. \  \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{4,
4834. \  \, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}
4835. \  \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,
4836. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,
4837. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor 
4838. \ \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{e
4839. \  \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, e_
4840. \  \, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}}
4841. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg t_
4842. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,4} \lor t_{\neg e_{1,5}, e_{1,6}}, \neg e_{1,5} \lor t_{\neg e_{1,5}, e_{1,5}}, \neg e_{1,5} \lor t_{\neg e_{1,
4843. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,3}, \neg e_{2,4}} \lor t_{e_{1,4}, \neg 
4844. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_
4845. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2,4
4846. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4}, 
4847. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}
4848. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2,4
4849. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}
4850. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}
4851. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}
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$$4852. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}$$

$$4853. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4854. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4855. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4856. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4857. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

$$4858. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4859. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

$$4860. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4861. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

$$4862. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4863. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

$$4864. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4865. \ e_{1,4} \vee \neg e_{2,4} \vee \neg t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \vee t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{4,5} \vee \neg e_{2,4} \vee e_{1,4}$$

$$4866. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,6} \lor e_{1,4}$$

$$4867. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{\neg e_{4,5}, e_{4,6}} \lor e_{1,4}$$

4868.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,5} \lor e_{1,4}$$

4869.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg e_{2,4} \lor e_{1,4}$$

$$4870. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

$$4871. \ e_{1,4} \vee \neg e_{2,4} \vee \neg t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \vee t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{4,5} \vee \neg e_{2,4} \vee e_{1,4}$$

4872.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg e_{2,4} \lor e_{1,4}$$

$$4873. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{2,4} \lor e_{3,4} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

$$4874. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,5} \lor e_{1,4}$$

4875.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,6} \lor e_{1,4}$$

$$4876. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash \neg e_{2,4} \lor e_{3,4} \lor t_{e_{4,5}, e_{4,6}} \lor e_{1,4}$$

$$4877. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_{e$$

$$4878. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$4879. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_$$

$$4880. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$4881. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_{e$$

$$4882. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e$$

$$4883. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_{e$$

484.
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$4885. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{1,5}, \, e_{1,6}}$$

$$4886. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

$$4887. \ \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4888. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$4889. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

$$4890. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}}$$

$$4891. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}}$$

$$4892. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

4893.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4894.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4895. \ \, \neg e_{1,4} \vee t_{e_{1,4},\, \neg e_{2,4}}, e_{1,4} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \vee t_{\neg e_{1,4},\, \neg e_{2,4}}$$

4896.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4897. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

4898.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4899.
$$\neg e_{1,4} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{1,4} \lor t_{\neg e_{1,4}}, e_{2,4} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}}, e_{2,4}$$

4900.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4901. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

4902.
$$\neg e_{1,4} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}$$

$$4903. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

$$4904. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_$$

4905.
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$4906. \ \, \neg e_{1,4} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

$$4907. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$4908. \ \, \neg e_{1,4} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

$$4909. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor t_{\lnot e_{2,5}, \lnot e_{2,$$

$$4910. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}}$$

4911.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

4912.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4913. \ e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4914. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{e_{1,2}, \lnot e_{2,3}} \lor t_{e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{2,5}, \lnot e_{2,6}} \lor t_{e_{1,2}, \lnot e_{2,3}} \lor t_{e_{2,5}, \lnot e_{2,6}} \lor t_{e_{2,5}, \lnot e$$

$$4915. \ \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\lnot e_{2,5}, \lnot e_{2,6}}$$

$$4916. \ e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}}$$

4917.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{1,4}$$

$$4918. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{$$

$$4919. \ \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{$$

4920.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,$$

4921.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4922.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4923.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4924.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4925. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

4926.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$4927. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

$$4928. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

4929.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

4930.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

4931.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

4932.
$$e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$4933. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4934. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \vee t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vee t_{\neg e_{1,4}, \neg e_{2,4}} \vee \neg e_{4,5}$$

$$4935. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$4936. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$4937. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \vee t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vee \neg e_{4,6} \vee t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4938. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4939. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \vee t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vee t_{\neg e_{1,4}, \neg e_{2,4}} \vee \neg e_{4,5}$$

$$4940. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$4941. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4942. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg$$

$$4943. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$4944. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4945. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$4946. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$4947. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_$$

$$4948. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$4949. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4950. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4951. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$4952. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4953. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor e_{3,4} \lor \neg e_{4,5}$$

$$4954. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$4955. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \vee t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \vee \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vee \neg e_{4,5}$$

$$4956. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg e_{4,5}$$

$$4957. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,$$

$$4958. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \vee \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vee \neg e_{4,6} \vee \neg e_{4$$

$$4959. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4960. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4961. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

$$4962. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6}$$

$$4963. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg e_$$

$$4964. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4965. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4966. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4967. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4968. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$4969. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vee \neg e_{4,6} \vee \neg e_{4,6$$

$$4970. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4971. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$4972. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_$$

$$4973. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vee t_{e_{1,5}, e_{2,5}} \vee \neg e_{4,6}$$

$$4974. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$4975. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vee t_{e_{1,5}, e_{2,5}} \vee \neg e_{4,6}$$

$$4976. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4977. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4978. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$4979. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4980. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4981. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4982. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \vee \neg e_{5,6} \vee \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vee \neg t_{e_{4,6}, \neg e_{5,6}} \vee \neg e_{4,5} \vee \neg e_{4,6} \vee \neg e_$$

$$4983. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$4984. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,$$

$$4985. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$4986. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

4987.
$$\neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$4988. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,$$

$$4989. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$4990. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,$$

$$4991. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$4992. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4993. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,$$

$$4994. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$4995. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}}$$

4996.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4997. \ e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

4998.
$$e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4999. \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e$$

$$5000. \ \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, e_{2,4}}$$