# Домашнее задание по Математической логике №5

### Приложение 2. Метод резолюций

# Часть 4.20001 - 25000

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

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

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

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

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

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

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

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

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

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

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

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

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

$$14. \ e_{4,5} \vee t_{e_{1,4},\, \neg e_{2,4}}, \neg e_{4,5} \vee t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \vee t_{\neg e_{1,5},\, e_{2,5}}$$

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

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

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

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

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

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

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

$$22. \ e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

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

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

$$25. \ \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,5}$$

$$26. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

27. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$28. \ e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

29. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

30. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$31. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,5}$$

32. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

33. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

34. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$35. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,5}$$

36. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

$$37. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,5}$$

38. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

39. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$40. \ e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

$$41. \ \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot$$

42. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

43. 
$$e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$44. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}}$$

$$45. \ \ e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{e_{1,4}, \, \neg e_{2,4}}$$

- 46.  $e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, e_{2,6}}$
- $47. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}}$
- $48. \ e_{4,6} \vee t_{e_{1,4},\, \neg e_{2,4}}, \neg e_{4,6} \vee t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \vee t_{\neg e_{1,6},\, e_{2,6}}$
- $49. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}}$
- 50.  $e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,6}, \neg e_{2,6}}$
- $51. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}}$
- $52. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,6}, \lnot e_{2,6}}$
- $53. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}}$
- 54.  $e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,6}, e_{2,6}}$
- $55. \ e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{4,6} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, \lnot e_{2,4}}$
- 56.  $e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,6}, e_{2,6}}$
- $57. \ \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,6}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,6},$
- $58. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,6},$
- $59. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,5}, \lnot e_{4,6}, \lnot e_{4,6},$
- $60.\ \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{e_{3,5}, \lnot e_{3,6}} \lor t_{e_{3,5},$
- $61. \ \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6}, \lnot e_{4,6$
- $62. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{e_{3,5}, \lnot e_{3,6}} \lor t_{e_{3,5}, \lnot$
- $63. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}$
- $64. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6}, \lnot e_{4,$
- $65. \ \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,4}, \lnot e_{2,$
- $66. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot$
- $67. \ \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{\lnot e_{4$
- $68. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1,4},$
- $69. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_$
- $70. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_$
- $71. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}$
- $72. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{e$

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

$$74. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2$$

$$75. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_$$

$$76. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2$$

$$77. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{2,$$

$$78. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,4} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2,4} \lor \neg e_{2,4}, \neg e_{2,4} \lor \neg e_{2,4}, \neg e$$

$$79. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4} \lor$$

$$80.\ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg e_{2,4} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}}$$

$$81. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$82. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

$$83. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,2}, e_{2,3}} \lor e_{1,4}$$

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

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

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

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

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

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

$$90. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{1,4}$$

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

$$92. \ e_{1,4} \vee \neg e_{2,4} \vee \neg t_{e_{1,4},\, \neg e_{2,4}}, e_{2,4} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{e_{1,4},\, \neg e_{2,4}} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vee e_{1,4}$$

$$93. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e$$

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

$$95. \ \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_$$

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

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

$$98. \ e_{1,4} \vee \neg e_{2,4} \vee \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \vee t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,6} \vee e_{1,4}$$

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

$$100. \ e_{1,4} \vee \neg e_{2,4} \vee \neg t_{e_{1,4},\, \neg e_{2,4}}, \neg e_{4,5} \vee t_{e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{2,4} \vee \neg e_{4,5} \vee e_{1,4}$$

101. 
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg e_{2,4} \lor e_{1,4}$$

$$102. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{2,4} \lor t_{e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

103. 
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor \neg e_{2,4} \lor e_{1,4}$$

104. 
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg e_{2,4} \lor e_{1,4}$$

$$105. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{2,4} \lor e_{3,4} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{1,4}$$

$$106. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,5} \lor e_{1,4}$$

107. 
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash \neg e_{2,4} \lor \neg e_{4,6} \lor e_{1,4}$$

$$108. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash \neg e_{2,4} \lor e_{3,4} \lor t_{e_{4,5}, e_{4,6}} \lor e_{1,4}$$

$$109. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_$$

110. 
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$111. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_$$

$$112. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$113. \ e_{1,4} \vee \neg e_{2,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \vee e_{2,4} \vee \neg t_{e_{1,4}, \, e_{2,4}} \vdash e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}} \vee \neg t_{e_{1,4}, \, e_{2,4}} \vee \neg t_{e_{1,4$$

114. 
$$e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$115. \ e_{1,4} \vee \neg e_{2,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \vee e_{2,4} \vee \neg t_{e_{1,4}, \, e_{2,4}} \vdash e_{1,4} \vee \neg t_{e_{1,4}, \, \neg e_{2,4}} \vee \neg t_{e_{1,4}, \, e_{2,4}} \vee \neg t_{e_{1,4$$

$$116. \ e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

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

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

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

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

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

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

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

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

125. 
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

126. 
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

127. 
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$128. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

129. 
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

130. 
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

131. 
$$\neg e_{1,4} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

132. 
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$133. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_{$$

$$134. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}}$$

135. 
$$\neg e_{1,4} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{1,4}}, \neg e_{2,4}$$

$$136. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, \neg e_{$$

137. 
$$\neg e_{1,4} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}}, e_{2,4} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor \neg t_{e_{1,4}}, e_{2,4} \lor e_{2,4}$$

$$138. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

139. 
$$\neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$140. \ \, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

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

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

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

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

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

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

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

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

$$149. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1$$

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

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

$$152. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, \lnot e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{\lnot e_{1$$

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

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

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

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

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

$$158. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

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

$$160. \ e_{2,4} \lor t_{e_{1,4}, \lnot e_{2,4}}, e_{1,4} \lor \lnot e_{2,4} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{1,4}, \lnot e_{2,4}} \lor e_{1,4}$$

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

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

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

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

165. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

166. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$167. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{3,4}} \lor e_{4,6} \lor e_{4,6} \lor e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{3,4},\,\neg e_{3,4}} \lor e_{4,6} \lor e_{4,$$

168. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$169. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

170. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

171. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$172. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{$$

$$173. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$174. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

175. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

176. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

177. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$178. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor e_{4,5} \lor e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor e_{4,5} \lor e_{4,6} \lor e_{4,5} \lor e_{4,6} \lor e_{4,5} \lor e_{4,6} \lor$$

179. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

180. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

181. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

$$182. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$183. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$184. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$185. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor e_{4,5} \lor e_{3,4}$$

186. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$187. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

$$188. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor e_{4,5}$$

189. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

190. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$191. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

$$192. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$193. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{5,6} \lor \neg$$

194. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$195. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6},\,e_{4,6}}, \neg e_{4,$$

$$196. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

$$197. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{4,6} \lor \neg$$

198. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$199. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor$$

$$200. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$201. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{4,6} \lor \neg e_{4,6} \lor$$

$$202. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6},\, e_{4,6}}, \neg e_{4$$

$$203. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor$$

$$204. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

$$205. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{5,6} \lor \neg$$

$$206. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

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

$$208. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$209. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor e_{5,6} \lor \neg e_{5,6} \lor$$

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

$$211. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e_{4,$$

$$212. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$$

$$213. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{4,6} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e$$

$$214. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$215. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \ e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \ e_{4,6}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor$$

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

$$217. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,6},\, e_{5,6}}$$

$$218. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,6}$$

$$219. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor \neg e_$$

220. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$221. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor \neg$$

$$222. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

$$223. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e_{4,$$

$$224. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6}, \, e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor t_{e_{1,6}, \, e_{2,6}}$$

225. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$226. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

$$227. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$228. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

$$229. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$230. \ \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

231. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$232. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

233. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

$$234. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

235. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

236. 
$$\neg e_{4,5} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}}, e_{4,6} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor e_{4,6} \lor \neg t_{e_{4,5}}, e_{4,6}$$

237. 
$$\neg e_{4,5} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,5} \lor t_{e_{1,4}}, e_{2,4} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor t_{e_{1,4}}, e_{2,4}$$

$$238. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

239. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$240. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

241. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$242. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,5},\, e_{5,6}}$$

243. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$244. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{5,6}}$$

245. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$246. \ \, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,5},\, \neg e_{5,6}}$$

247. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

248. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

249. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$250. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor r_{e_{4,5}, \, \neg e_{5,6}} \lor r_{e_{5,6}} \lor r_$$

251. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$252. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, e_{5,6}}$$

253. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

254. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

255. 
$$\neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$256. \ \, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

257. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

258. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$259. \ \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5}$$

260. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$261. \ \, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

262. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

263. 
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,6} \lor t_{\neg e_{1,4}}, e_{2,4} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}}, e_{2,4}$$

$$264. \ \, \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

$$265. \ \, \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5}$$

266. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

267. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}}$$

$$268. \ \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

269. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

270. 
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}}, e_{4,6} \vdash t_{e_{1,4}}, \neg e_{2,4} \lor e_{4,5} \lor \neg t_{e_{4,5}}, e_{4,6}$$

$$271. \ \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5}$$

272. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

273. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$274. \ \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

275. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$276. \ \, \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$$

277. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$278. \ \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$279. \ \, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{e_{1,4},\, \neg e_{2,4}}$$

$$280. \ \, \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

281. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$282. \ \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

283. 
$$\neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$284. \ \, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

285. 
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$286. \ \, \neg e_{4,6} \lor t_{e_{1,4}, \, \neg e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

287. 
$$\neg e_{4,6} \lor t_{e_{1,4}}, \neg e_{2,4}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$288. \ \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$289. \ e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{4,6}}, \neg e_{4,5}, \neg e_{4,6}, \neg e_{4,5}, \neg e_{4,6}, \neg e_{4,5}, \neg e_{4,6}, \neg e_{4,6}, \neg e_{4,5}, \neg e_{4,6}, \neg e_{4,6}$$

$$290. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \lor t_{e_{4,5}, e_{4,6}}, \lnot e_{4,5}, e_{4,6}, e_$$

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

$$292. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{4,6}}$$

$$293. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, e_{4,6}}$$

$$294. \ e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{4,6}}, \neg e_{4,5}, \neg e_{4,6}, \neg e_{4,5}, \neg e_{4,6}, \neg e_{4,5}, \neg e_{4,6}, \neg e_{4$$

$$295. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{4,6}}$$

$$296. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, e_{4,6}}$$

$$297. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{$$

$$298. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,6} \lor e_{4,5} \lor e_{3,4}$$

$$299. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{\lnot e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{e_{4,5$$

$$300. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{\lnot e_{4,5}, e_{4,6$$

$$301. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1,4}, e_{2$$

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

$$303. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{e_$$

$$304. \ \ e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{e_{4,5}, \, \neg e_{4,6}} \lor t_{e_{4,5}, \, e_{4,6}} \lor t_{e$$

$$305. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,6} \lor e_{4,5} \lor e_{3,4}$$

$$306. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, e_{4,6}, \lnot e_{3,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{$$

$$307. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,6} \lor e_{4,5} \lor e_{3,4}$$

$$308. \ e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,4}, \, \lnot e_{2,4}} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}}$$

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

$$310. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

$$311. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

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

$$313. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$314. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

$$315. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4} \lor e_$$

$$316. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{\neg e_{1,5},\,e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

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

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

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

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

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

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

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

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

$$325. \ e_{1,4} \vee e_{2,4} \vee \neg t_{e_{1,4},\, e_{2,4}}, \neg e_{1,4} \vee e_{2,4} \vee \neg t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{1,4},\, e_{2,4}} \vee \neg t_{e_{1,4},\, e_{2,4}} \vee e_{2,4}$$

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

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

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

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

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

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

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

$$333. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor \neg t_{e_{1,4$$

$$334. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$335. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

$$336. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

$$337. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

$$338. \ e_{1,4} \vee e_{2,4} \vee \neg t_{e_{1,4},\, e_{2,4}}, \neg e_{1,4} \vee t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \vee \neg t_{e_{1,4},\, e_{2,4}} \vee e_{2,4}$$

$$339. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

$$340. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

341. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

342. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$343. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{4,5},\, \neg e_{4,6}} \lor e_{1,4} \lor e_{2,4}$$

344. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

345. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$346. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{4,5}, \, e_{4,6}} \lor e_{1,4} \lor e_{2,4}$$

347. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

348. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

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

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

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

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

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

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

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

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

$$357. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,2},\,e_{1,3}}$$

$$358. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}$$

$$359. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}$$

$$360. \ \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

361. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

362. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

363. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

364. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

365. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

366. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

367. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

368. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$369. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{$$

$$370. \ \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}}$$

$$371. \ \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}}$$

$$372. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{$$

$$373. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,5},\,e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{2,5},\,e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}$$

$$374. \ \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{2,5},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}$$

$$375. \ \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

$$376. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{2,5},\,e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{2,5},\,e_{2,6}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

$$377. \ \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}}$$

378. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$379. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{2,5},\,e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{2,5},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}$$

$$380. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{2,5},\,\neg e_{2,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,2},\,e_{2,3}}$$

381. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

382. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

383. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

384. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$385. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg e_{1,4}$$

$$386. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg e_{1,4}$$

$$387. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg e_{1,4}$$

$$388. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg e_{1,4}$$

389. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

390. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

391. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$392. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,e_{2,4}}$$

$$393. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$394. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$395. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$396. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$397. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$398. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg$$

$$399. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$400. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg$$

$$401. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$402. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$403. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg e_{4,5}$$

$$404. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$405. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$406. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{4,5}$$

$$407. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$408. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$409. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$410. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$411. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$412. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$413. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor e_{3,4} \lor \neg e_{4,5}$$

414. 
$$\neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$415. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$416. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg e_{4,5}$$

$$417. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{$$

$$418. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$419. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$420. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$421. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

$$422. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg$$

$$423. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5},\, \neg e_{4,6}}, e_{4,5} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vee \neg e_{4,6}$$

$$424. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor$$

$$425. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$426. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$427. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5}, \, \neg e_{4,6}}, e_{4,5} \vee t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vee \neg e_{4,6} \vee t_{\neg e_{1,5}, \, e_{2,5}}$$

$$428. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{$$

$$429. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6}$$

$$430. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$431. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5},\, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \vee \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vee \neg e_{4,6} \vee r_{4,6} \vee r_{4,6}$$

$$432. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{$$

$$433. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,5}, e_{2,5}} \lor \neg e_{4,6}$$

$$434. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{$$

$$435. \ \, \neg e_{4,5} \vee \neg e_{4,6} \vee \neg t_{\neg e_{4,5},\, \neg e_{4,6}}, e_{4,5} \vee t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vee t_{e_{1,5},\, e_{2,5}} \vee \neg e_{4,6}$$

$$436. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$437. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$438. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{$$

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

$$440. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$441. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

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

$$443. \ \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

$$444. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{$$

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

$$446. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$447. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,5}$$

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

$$449. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$450. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{$$

451. 
$$\neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$452. \ \, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$453. \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6}$$

454. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

455. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

456. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$457. \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}}$$

458. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

459. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,6}$$

460. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

461. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

462. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$463. \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6}$$

464. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

465. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

$$466. \ \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6}$$

467. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

468. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

469. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

$$470. \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}}$$

471. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

472. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

$$473. \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}}$$

474. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

475. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

476. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$477. \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor t_{e_{1,4},\,e_{2,4}}$$

478. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$479. \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}}$$

480. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

481. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

482. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

483. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

484. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

485. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

486. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$487. \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor t_{e_{1,4},\,e_{2,4}}$$

488. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$489. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg e_{4,5}$$

490. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

491. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

492. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

493. 
$$e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

494. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$495. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg e_{4,5}$$

496. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

497. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

498. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$499. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg e_{4,5}$$

$$500. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,e_{2,4}}$$

501. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$502. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg e_{4,5}$$

503. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

504. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

505. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

506. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

507. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$508. \ \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\,\lnot e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor e_{4,5} \lor \lnot t_{e_{4,5},\,\lnot e_{4,6}}$$

$$509. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}}$$

510. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$511. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \lor t_{e_{1,4},\,e_{2,4}}$$

512. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

513. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

$$514. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{1,4},\,e_{2,4}}$$

$$515. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}}$$

$$516. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor t_{e_{1,4},\,e_{2,4}}$$

517. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

518. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

$$519. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}}$$

$$520. \ \ e_{4,6} \lor t_{e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,4},\, e_{2,4}}$$

$$521. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}}$$

522. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

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

524. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

$$525. \ \neg e_{3,4} \lor t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{4,5},\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3},\neg e_{2,3}} \lor t_{\neg e_{3,5},e_{3,6}} \vdash t_{\neg e_{1,3},\neg e_{2,3}} \lor t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{3,5},e_{3,6}} \lor t_{\neg e_{4,5},\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{4,5},\neg e_{4,6}}, e$$

$$526. \ \, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor$$

$$527. \ \, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{4,5} \lor t_{\neg e_{4$$

$$528. \ \neg e_{3,4} \lor t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{4,5},\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3},e_{2,3}} \lor t_{e_{3,5},e_{3,6}} \vdash t_{e_{3,5},e_{3,6}} \lor t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{1,3},e_{2,3}} \lor t_{\neg e_{4,5},\neg e_{4,6}}, e_{3,4} \lor$$

$$529. \ \, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor$$

$$530. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{4,5$$

$$531. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor$$

$$532. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{3,6$$

$$533. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_$$

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

$$535. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{$$

$$536. \ \, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{$$

$$537. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}$$

$$538. \ \, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{4,5},\,e_{4,6}} \lor$$

$$539. \ \, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash \neg e_{3,4} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor e_{1,4} \lor e_{2,4} \lor$$

$$540. \ \, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash \neg e_{3,4} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor e_{1,4} \lor e_{2,4} \lor$$

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

$$542. \ \, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{1,4} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6$$

$$543. \ \, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash \neg e_{3,4} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor e_{1,4} \lor e_{2,4} \lor$$

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

$$545. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

$$546. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

$$547. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash e_{2,4} \lor t_{e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$548. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash e_{2,4} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$565. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

$$566. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}}$$

$$567. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

$$568. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}$$

$$569. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

$$570. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$571. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

$$572. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

$$573. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

$$574. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$575. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

$$576. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

577. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

578. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$579. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor e_{1,4} \lor e_{2,4}$$

$$580. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

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

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

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

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

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

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

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

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

$$589. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}}$$

$$590. \ \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}$$

591. 
$$\neg e_{1,4} \lor t_{e_{1,4},e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\neg e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor t_{e_{1,4},e_{2,4}} \lor t_{e_{1,2},\neg e_{1,3}}$$

$$592. \ \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$593. \ \neg e_{1,4} \lor t_{e_{1,4},e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{1,2},e_{1,3}}$$

$$594. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}}$$

$$595. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}$$

$$596. \ \neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

597. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

598. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

599. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

600. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

601. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

602. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

603. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

604. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

633. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$634. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{$$

635. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

636. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$637. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$638. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{$$

639. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$640. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

641. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$642. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor e_{4,5} \lor e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$643. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{$$

644. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$645. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

$$646. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

647. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$648. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6$$

$$649. \ \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor e_{4,5} \lor e_{3,4}$$

$$650. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

651. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$652. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor e_{4,5}$$

$$653. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{$$

$$654. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$655. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,\neg e_{$$

$$656. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$657. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor$$

$$658. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$659. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{4,6} \lor \neg e_{4,6}$$

660. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$661. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg$$

$$662. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$663. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor$$

664. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$665. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{4,6} \lor \neg e_{4,$$

$$666. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$667. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{5,6} \lor \neg$$

$$668. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$669. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor$$

$$670. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$671. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{4,6} \lor \neg e_{4,6} \lor$$

672. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$673. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor$$

$$674. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

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

$$676. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$677. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{4,6} \lor \neg e_{4,$$

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

$$679. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor$$

$$680. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$681. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5$$

$$682. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$683. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor$$

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

$$685. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor \neg$$

686. 
$$e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{e_{1,6}, e_{2,6}}$$

$$687. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}, \neg e_{4,5} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg e_{4,5} \lor \neg e_{4,5}$$

$$688. \ e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{e_{1,6},\, e_{2,6}}$$

689. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$690. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

691. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$692. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

693. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

694. 
$$\neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

695. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

696. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

697. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$698. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

699. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

700. 
$$\neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

701. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

702. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

703. 
$$\neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

704. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

705. 
$$\neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

706. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

707. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

$$708. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

709. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

710. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

711. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

712. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

713. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

714. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

715. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

716. 
$$\neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

717. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

718. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

719. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

720. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

721. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

722. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

723. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

724. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

725. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

726. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

727. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

728. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

729. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5},\,e_{4,6}}$$

730. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

731. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

732. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

733. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

734. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

735. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

736. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

737. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

738. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

739. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

740. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

741. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$742. \ \, \neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5},\,e_{4,6}}$$

743. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

744. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

745. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

746. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

747. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

748. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,6},\,\neg e_{5,6}}$$

749. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

750. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

751. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

752. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

753. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

754. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

755. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash t_{e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,4},\,e_{2,4}}$$

756. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

757. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

758. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,6},\,e_{5,6}}$$

759. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

760. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

761. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5},$$

$$762. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{4,5},\,e_{4,6}}, e_{4,5}, e_{4,6}, e_{$$

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

$$764. \ \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{4,6}}, e_{4,6} \lor e_{4,5} \lor e_{4,6} \lor$$

$$765. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}}, e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{4,5},\,e_{4,6}}, e_{4,6} \lor t_{e_{4,5},\,e_{4,6}} \lor t_{e_{4,5},\,e_{4,$$

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

$$767. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}}, e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,e_{4,6}}, e_{4,5}, e_{4,6}, e_$$

$$768. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}}, e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor t_{e_{4,5},\,e_{4,6}} \lor t_$$

769. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor e_{4,5}$$

$$770. \ \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2$$

$$771. \ \neg e_{3,4} \lor t_{e_{1,4},e_{2,4}} \lor t_{e_{4,5},e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4},\neg e_{2,4}} \lor t_{e_{4,5},\neg e_{4,6}} \vdash t_{e_{1,4},e_{2,4}} \lor t_{e_{4,5},\neg e_{4,6}} \lor t_{e_{4,5},e_{4,6}} \lor t_{\neg e_{1,4},\neg e_{2,4}} \lor t_{\neg e_{1,4},\neg e_{2,4}} \lor t_{\neg e_{1,4},e_{2,4}} \lor t_$$

772. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

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

774. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

775. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}}$$

$$776. \ \, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor e_{4,5}$$

$$777. \ \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}$$

778. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash \neg e_{3,4} \lor t_{e_{4,5}, e_{4,6}} \lor e_{1,4} \lor e_{2,4}$$

779. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash \neg e_{3,4} \lor t_{e_{4,5}, e_{4,6}} \lor e_{1,4} \lor e_{2,4}$$

780. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor e_{4,5}$$

781. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash \neg e_{3,4} \lor t_{e_{4,5}, e_{4,6}} \lor e_{1,4} \lor e_{2,4}$$

782. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{4,5}, e$$

783. 
$$\neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash \neg e_{3,4} \lor t_{e_{4,5}, e_{4,6}} \lor e_{1,4} \lor e_{2,4}$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$801. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

802. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}}$$

$$803. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

$$804. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}}$$

$$805. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

806. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}}$$

$$807. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

$$808. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}}$$

$$809. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

810. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$811. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

812. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$813. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

814. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$815. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_$$

$$816. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{e_{1,4},\, e_{2,4}} \lor e_{2,4}$$

817. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

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

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

820. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

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

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

823. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

824. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

825. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$$

826. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

827. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$828. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{4,5},\,\neg e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$$

829. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{1,6}}$$

830. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{1,6}}$$

831. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

832. 
$$\neg e_{1,4} \lor t_{e_{1,4},e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\neg e_{1,3}} \lor t_{\neg e_{1,5},e_{1,6}} \vdash t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{1,5},e_{1,6}} \lor t_{e_{1,2},\neg e_{1,3}}$$

833. 
$$\neg e_{1,4} \lor t_{e_{1,4},e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{e_{1,5},\neg e_{1,6}} \vdash t_{e_{1,5},\neg e_{1,6}} \lor t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{1,2},e_{1,3}}$$

834. 
$$\neg e_{1,4} \lor t_{e_{1,4},e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},e_{1,6}} \vdash t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},e_{1,6}}$$

$$835. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}}$$

$$836. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

837. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

838. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

839. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

840. 
$$\neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

841. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

842. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

843. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

844. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$845. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{$$

846. 
$$\neg e_{1,4} \lor t_{e_{1,4},e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\neg e_{2,4}} \vdash t_{e_{1,4},e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\neg e_{2,4}}$$

$$847. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg e_{$$

848. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$849. \ \neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$850. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{2,5},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}$$

$$851. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

$$852. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{2,5},\,e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{2,5},\,e_{2,6}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

$$853. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}}$$

$$854. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{e_{2,5},\,e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{2,5},\,e_{2,6}} \lor t_{e_{1,2},\,\neg e_{2,3}}$$

855. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{2,5}, e_{2,6}} \lor t_{e_{1,2}, e_{2,3}}$$

856. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, e_{2,3}}$$

857. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

858. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$859. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

860. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$861. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg e_{1,4}$$

$$862. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg e_{1,4}$$

$$863. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg e_{1,4}$$

$$864. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg e_{1,4}$$

865. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

866. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

867. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

868. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$869. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5}$$

$$870. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$871. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor \neg t_{\neg e_{4,5}, \,$$

$$872. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$873. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$874. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \lor \neg e_{4,5}$$

$$875. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{4,5}$$

876. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$877. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg e_{4,5}$$

$$878. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

$$879. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor \neg e_{4,5}$$

880. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$881. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor$$

$$882. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,4},\, e_{2,4}} \lor \neg e_{4,5}$$

883. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$884. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$885. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg e_{4,5}$$

$$886. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$887. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

$$888. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor$$

$$889. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$890. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

891. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$892. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor$$

$$893. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$894. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$895. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash t_{e_{1,4},\, e_{2,4}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$896. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{3,4} \lor t_{e_{1,4},\, e_{2,4}} \lor t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \lor e_{3,4} \lor \neg e_{4,5}$$

$$897. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$898. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg$$

$$899. \ \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

$$900. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6}$$

$$901. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$902. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

903. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$904. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor$$

905. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

$$906. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\,$$

907. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$908. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}$$

909. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

910. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

911. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$912. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, e_{4,6}$$

$$913. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$914. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$915. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

916. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$917. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$918. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$919. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$920. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$921. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

922. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg e_{4,5}$$

$$923. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$924. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$925. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

926. 
$$\neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$927. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg e_{4,5}$$

$$928. \ \, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}, \neg e_{4,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$929. \ \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6}$$

930. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

931. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}}$$

932. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

933. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}}$$

934. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

935. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6}$$

936. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

937. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

938. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,e_{2,4}}$$

939. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,6}$$

940. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,e_{2,4}}$$

941. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

$$942. \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6}$$

943. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

944. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

945. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

946. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \lnot e_{4,5} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \lnot t_{\lnot e_{4,5},\,e_{4,6}}$$

947. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

948. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}}$$

949. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}}$$

950. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

951. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor t_{e_{1,4},\,e_{2,4}}$$

952. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}$$

953. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

954. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$955. \ \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \lor \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \lor \neg e_{5,6} \lor \neg e_{5,6}$$

956. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

957. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

958. 
$$e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,4},\,e_{2,4}}$$

$$959. \ \ e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}}$$

960. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

961. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

962. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

963. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

964. 
$$e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

965. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

966. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

$$967. \ \, \neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5},\,e_{4,6}}$$

968. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

969. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

970. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

971. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

972. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

973. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5},\,e_{4,6}}$$

974. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

975. 
$$\neg e_{4,6} \lor t_{e_{1,4},e_{2,4}}, e_{4,6} \lor t_{e_{1,4},\neg e_{2,4}} \vdash t_{e_{1,4},\neg e_{2,4}} \lor t_{e_{1,4},e_{2,4}}$$

976. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

977. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

978. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

979. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

980. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}}$$

981. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$982. \ \, \neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,5} \lor \neg t_{\neg e_{4,5},\,e_{4,6}}$$

983. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

984. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

985. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

986. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

987. 
$$\neg e_{4,6} \lor t_{e_{1,4},e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6},\neg e_{2,6}} \vdash t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{1,6},\neg e_{2,6}}$$

988. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

989. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

990. 
$$\neg e_{4,6} \lor t_{e_{1,4},e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},e_{2,4}} \lor \neg t_{e_{4,6},\neg e_{5,6}}$$

991. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

992. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

993. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

994. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,6},\,\neg e_{5,6}}$$

995. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

996. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

997. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

998. 
$$\neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,6},\,e_{5,6}}$$

999. 
$$\neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

$$1000. \ \, \neg e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,6},\,\neg e_{5,6}}$$

$$1001. \ e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{4,5}, e_{4,6}, \neg e_{4,5}, \neg$$

$$1002. \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{4,5}, \neg e_{4,5}, \neg e_{4,6}, \neg e_{$$

$$1003. \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{\neg e_{3,5},\,e_{3,$$

$$1004. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{$$

$$1005. \ e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{3,5}, e_{3,$$

$$1006. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{$$

$$1007. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{4,5$$

$$1008. \ e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \vdash t_{e_{3,5}, e_{3,6}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{3,5}, e_{3,6}} \lor t_{e_{3,5}$$

$$1009. \ \ e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \, \neg e_{4,6$$

$$1010. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{4,5},\,e_{$$

$$1011. \ e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$1012. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{4,5},\,e_{$$

$$1013. \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}$$

$$1014. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{4,5},\,e_{$$

1015. 
$$e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$$

$$1016. \ e_{3,4} \lor t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{4,5},e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{4,5},\neg e_{4,6}} \vdash t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{4,5},e_{4,6}} \lor t_{\neg e_{4,5},\neg e_{4,6}} \lor t_{\neg e_{4,5},e_{4,6}} \lor t$$

$$1017. \ e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$$

$$1018. \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{e_{4,5},\,e_{4,6}} \lor t_{e_{4,5}$$

$$1019. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{\neg e_{4,5},\,e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$$

1020. 
$$e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$$

$$1021. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{e_{1,2}, \, e_{1,3}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2,$$

$$1022. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$1023. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash e_{2,4} \lor t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$1024. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash e_{2,4} \lor t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,2}, \, \neg e_$$

$$1025. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e_{2,$$

$$1026. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},\neg e_{1,6}} \vdash t_{\neg e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},\neg e_{1,6}} \lor \neg t_{e_{1,4},e_{2,4}} \lor e_{2,4}$$

$$1027. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$1028. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,5}, \, e_{1,6}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$1029. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor e_{1,4} \lor t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{2,4} \lor \neg e_{2,4} \lor e_{2,4} \lor$$

$$1030. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{e_{2,5},\,e_{2,6}} \vdash t_{e_{2,5},\,e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor e_{1,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{2,4$$

$$1031. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{2,5}, \, e_{2,6}} \lor e_{1,4} \lor t_{\neg e_{1,2}, \, e_{2,3}} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{2,4} \lor e_{2,4} \lor$$

$$1032. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor e_{1,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,2}, e_{2,3}} \lor \neg t_{e_{2,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{2,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{2$$

$$1033. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{2,5}, \, e_{2,6}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{2,4} \lor t_{e_{2,4}, \, \neg e_{2,4}} \lor t_{e_{2,4}, \, e_{2,4}} \lor t_{e_{$$

$$1034. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{e_{2,5}, \, \neg e_{2,6}} \vdash t_{e_{2,5}, \, \neg e_{2,6}} \lor t_{e_{1,2}, \, \neg e_{2,3}} \lor e_{1,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{2,4$$

$$1035. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor e_{1,4} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{2,5}, \neg e_{2,6}}, \neg e_{2,6} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,6} \lor \neg t_{e_{1,4},$$

$$1036. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, e_{2,6}} \lor e_{1,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{e_{2,5}, e_{2,6}} \lor e_{2,5}, e_{2,6} \lor e_{2,6} \lor$$

$$1037. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor e_{2,4}$$

1038. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}}$$

$$1039. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$1040. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2$$

$$1041. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e$$

$$1042. \ e_{1,4} \lor e_{2,4} \lor \lnot t_{e_{1,4},\,e_{2,4}}, \lnot e_{2,4} \lor t_{\lnot e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor t_{\lnot e_{1,4},\,e_{2,4}} \lor \lnot t_{e_{1,4},\,e_{2,4}}$$

$$1043. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg t_{\neg e_{1,4}, \, e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4} \lor e$$

$$1044. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{2,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}}$$

$$1045. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e$$

$$1046. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$1047. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor \neg t_{e$$

$$1048. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor e_{2,4}$$

$$1049. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg t_{e_{1,4}, \, e_{2,4}} \lor \neg t_{e_{1,$$

1050. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

$$1051. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{1,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e$$

1052. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{1,4}, e_{2,4}} \lor e_{2,4}$$

1053. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

$$1054. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\, e_{2,4}}, e_{4,6} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$1055. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{3,4} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{1,4} \lor e_{2,4}$$

1056. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

1057. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$1058. \ \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, \, e_{2,4}}, \neg e_{3,4} \lor t_{e_{1,4}, \, e_{2,4}} \lor t_{e_{4,5}, \, e_{4,6}} \vdash \neg e_{3,4} \lor t_{e_{4,5}, \, e_{4,6}} \lor e_{1,4} \lor e_{2,4}$$

1059. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor e_{1,4} \lor e_{2,4}$$

1060. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$1061. \ e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{\neg e_{4,5}, e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$$

1062. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

1063. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

1064. 
$$e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$$

$$1065. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{1,6}}$$

$$1066. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\,e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,2},\,e_{1,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}}$$

$$1067. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,5},\,\neg e_{1,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

$$1068. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,e_{1,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,e_{1,6}} \lor t_{e_{1,2},\,\neg e_{1,3}}$$

1069. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{1,6}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$1070. \ \neg e_{1,4} \lor t_{e_{1,4},e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},e_{1,6}} \vdash t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{1,2},e_{1,3}} \lor t_{\neg e_{1,5},e_{1,6}}$$

1071. 
$$\neg e_{1,4} \lor t_{e_{1,4},e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\neg e_{1,3}} \lor t_{e_{1,5},e_{1,6}} \vdash t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{1,2},\neg e_{1,3}} \lor t_{e_{1,5},e_{1,6}}$$

$$1072. \ \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,5},\,\neg e_{1,6}} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

1073. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1074. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1075. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1076. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1077. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

1078. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

1079. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

1080. 
$$\neg e_{1,4} \lor t_{e_{1,4},e_{2,4}}, e_{1,4} \lor t_{\neg e_{1,4},e_{2,4}} \vdash t_{\neg e_{1,4},e_{2,4}} \lor t_{e_{1,4},e_{2,4}}$$

$$1081. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg e_{2,4} \lor \neg$$

1082. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

1083. 
$$\neg e_{1,4} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4}, \neg e_{2,4}}$$

$$1084. \ \, \neg e_{1,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{2,4} \lor \neg t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{1,4},\,\neg e_{2,4}}$$

$$1085. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,5},\,e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{2,5},\,e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,5},\,e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,5},\,e_{2,6}} \lor t_{\neg e_{2,$$

$$1086. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \lor t_{e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{2,5},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}$$

$$1087. \ \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

$$1088. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,2},\,e_{2,3}} \lor t_{e_{2,5},\,e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{2,5},\,e_{2,6}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

$$1089. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{\neg e_{2,5},\,\neg e_{2,6}} \lor$$

$$1090. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor t_{e_{2,5},\,e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{2,5},\,e_{2,6}} \lor t_{e_{1,2},\,\neg e_{2,3}}$$

$$1091. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, e_{2,4} \lor t_{e_{1,2},\,e_{2,3}} \lor t_{\neg e_{2,5},\,e_{2,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{2,5},\,e_{2,6}} \lor t_{e_{1,2},\,e_{2,3}}$$

1092. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,2}, e_{2,3}} \lor t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{2,5}, \neg e_{2,6}} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,2}, e_{2,3}}$$

1093. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1094. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1095. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1096. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1097. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4}$$

1098. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{1,4}, e_{2,4}} \lor \neg e_{1,4}$$

$$1099. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg e_{1,4}$$

$$1100. \ \, \neg e_{2,4} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{1,4} \lor e_{2,4} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{1,4},\,e_{2,4}} \lor \neg e_{1,4}$$

1101. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

1102. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

1103. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

1104. 
$$\neg e_{2,4} \lor t_{e_{1,4}, e_{2,4}}, e_{2,4} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$1105. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4,5}, \lnot e_{4,6$$

$$1106. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_{1,4}, \neg e_{2,4}$$

$$1107. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_$$

$$1108. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{\neg e_$$

1109. 
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1110. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_$$

$$1111. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \vdash e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor e_{3,4} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$1112. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

1113. 
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1114. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash \lnot e_{3,4} \lor e_{4,5} \lor \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor t_{\lnot e_{3,4}, e_{3,4}} \lor t_{\lnot e_{3,4}, e$$

$$1115. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$1116. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{\lnot e_{$$

$$1117. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg$$

$$1118. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{1,4}, e_{2,4}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}, \lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}}, \lnot e_{4,6} \lor t_{\lnot e_{4,6}}$$

$$1119. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1120. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,5} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,5} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,5} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,5} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{e_{4,6}, \lnot e_{4,6}}, e_{4,6} \lor t$$

$$1121. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash \lnot e_{3,4} \lor t_{e_{1,4}, \lnot e_{2,4}} \lor e_{4,5} \lor \lnot e_{4,6}$$

$$1122. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$1123. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{4,6} \lor$$

$$1124. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \lnot t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \lnot t_{e_{4,5}, e_{4,6}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor t_{e_{4$$

$$1125. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1126. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$1127. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1128. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4$$

$$1129. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

1130. 
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}}, \neg e_{4,6}, \neg e_{4,5} \lor t_{e_{1,4},e_{2,4}} \vdash t_{e_{1,4},e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\neg e_{4,6}}$$

1131. 
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1132. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \lnot e_{4,6} \lor e_{3,4}$$

$$1133. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_$$

$$1134. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot e_{4,6}, \lnot e_{4,6} \lor \lnot e_{4,6}, \lnot e_{4,$$

$$1135. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4$$

$$1136. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1137. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}},$$

$$1138. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1139. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_$$

$$1140. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1141. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{4,6}}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4$$

$$1142. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6},$$

$$1143. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$1144. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,6} \lor e_{4,6}, \lnot e_{4,$$

$$1145. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$1146. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1147. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1148. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}, \neg e_{4,6} \lor \neg t_{e_{4,6}, \, \neg e_{4,6}}, \neg$$

$$1149. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$1150. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$1151. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$1152. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{4,6}, e_{4,6} \lor \neg e_{4,6}$$

1153. 
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1154. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_$$

$$1155. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1156. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \lnot t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor \lnot t_{e_{4,6}, e_{5,6}} \lor t_{e_{4,6}, e_{5,6}} \lor t_{e_{4,6}, e_{5,6}} \lor \lnot t_{e_{4,6}, e_{5,6}} \lor t_{e_{4,6}, e_{5,6}} \lor \lnot t_{e_{4,6}, e_{5,6}} \lor t_{e_{4,6}, e_{5,6}} \lor t_{e_{4,6}, e_{5,6}} \lor t_{e$$

$$1157. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_$$

$$1158. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_{5$$

$$1159. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{$$

$$1160. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}}, \lnot e_{4,6}, e_{4,6} \lor e_{5,6} \lor \lnot t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}} \lor \lnot t_{e_{4,6}, e_{5,6}} \lor t_{e_{4,$$

$$1161. \ \ e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, e_{2,6}} \lor \lnot t_{e_{4,5}, \lnot e_{4,6}}, e_{4,6} \lor e_{4$$

$$1162. \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

1163. 
$$e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash e_{4,5} \lor t_{e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1164. \ \ e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{4,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg e_$$

$$1165. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$1166. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

1167. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1168. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1169. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

1170. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

1171. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

1172. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

1173. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$1174. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

1175. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

1176. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

1177. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

1178. 
$$\neg e_{4,5} \lor t_{e_{1,4},e_{2,4}}, e_{4,5} \lor t_{e_{1,4},e_{2,4}} \vdash t_{e_{1,4},e_{2,4}}$$

1179. 
$$\neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

$$1180. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

1181. 
$$\neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

1182. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

1183. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{1,4} \lor \neg e_{4,5} \lor e_{2,4}$$

$$1184. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,6},\,\neg e_{4,6}}$$

1185. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1186. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

1187. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1188. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

1189. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1190. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

1191. 
$$\neg e_{4,5} \lor t_{e_{1,4},e_{2,4}}, e_{4,5} \lor t_{\neg e_{1,5},e_{2,5}} \vdash t_{e_{1,4},e_{2,4}} \lor t_{\neg e_{1,5},e_{2,5}}$$

1192. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

1193. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

1194. 
$$\neg e_{4,5} \lor t_{e_{1,4},e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},e_{2,4}} \lor \neg t_{e_{4,5},\neg e_{5,6}}$$

1195. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

1196. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

1197. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$1198. \ \, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

1199. 
$$\neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

1200. 
$$\neg e_{4,5} \lor t_{e_{1,4},e_{2,4}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},e_{2,4}} \lor \neg t_{e_{4,5},\neg e_{5,6}}$$

$$1201. \ \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg e_{4,5}$$

1202. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1203. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

1204. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

1205. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

1206. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1207. \ \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg e_{4,5}$$

1208. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

1209. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

$$1210. \ \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

$$1211. \ \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg e_{4,5}$$

1212. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,4}, e_{2,4}}$$

1213. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

1214. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,5}$$

1215. 
$$e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

1216. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

1217. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

1218. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}}$$

1219. 
$$e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash e_{4,6} \lor e_{1,4} \lor e_{2,4}$$

$$1220. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor e_{4,5} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

$$1221. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,6},\,e_{4,6}} \lor t_{e_{4,6},\,e_{4,6}} \lor t_{e_{4,6},\,e_{4,6}}$$

1222. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

1223. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

1224. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$1225. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \lor t_{e_{1,4},\,e_{2,4}}$$

1226. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

1227. 
$$e_{4,6} \lor t_{e_{1,4},e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},e_{2,4}} \lor \neg t_{\neg e_{4,6},\neg e_{5,6}}$$

1228. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

1229. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

1230. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$$

1231. 
$$e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

$$1232. \ \ e_{4,6} \lor t_{e_{1,4},\, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{e_{1,4},\, e_{2,4}}$$

$$1233. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}}$$

- 1234.  $e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$
- $1235. \ e_{4,6} \lor t_{e_{1,4},\,e_{2,4}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,6},\,e_{5,6}} \lor t_{e_{1,4},\,e_{2,4}}$
- 1236.  $e_{4,6} \lor t_{e_{1,4}, e_{2,4}}, \neg e_{4,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,4}, e_{2,4}}$
- $1237. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor$
- $1238. \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{3,5},\,e_{3,6}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{4,6} \lor e_{4,5}, \neg e_{4,6} \lor e_{4,6}, \neg e_{4,6} \lor e_{4,6} \lor e_{4,6} \lor e_{4,6} \lor e_{4,6} \lor e_{4,6}, \neg e_{4,6} \lor e_{4,6} \lor e_{4,6} \lor e_{4,$
- $1239. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{4,5},\,\neg e_{$
- $1240. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{4,5},\,\neg e_{$
- $1241. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{3,5},\,e_{3,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,e_{3,6}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{4,5},\,\neg e_{$
- $1242. \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{3,5},\,\neg e_{3,$
- $1243. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{3,5},\,\neg e_{3,6}} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{4,6} \lor t_{e_{4,5},\,\neg e_{$
- $1244. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,3},\,e_{2,3}} \lor t_{e_{3,5},\,e_{3,6}} \vdash t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,3},\,e_{2,3}}$
- $1245. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,\neg e_{4,6}} \lor$
- $1246. \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{e_{4,5},\,e_{4,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{1,$
- $1247. \ \ e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{4,5}, e_{$
- $1248. \ e_{3,4} \lor t_{e_{1,4},e_{2,4}} \lor t_{e_{4,5},\neg e_{4,6}}, \neg e_{3,4} \lor t_{\neg e_{1,4},e_{2,4}} \lor t_{e_{4,5},\neg e_{4,6}} \vdash t_{e_{1,4},e_{2,4}} \lor t_{e_{4,5},\neg e_{4,6}} \lor t_{\neg e_{1,4},e_{2,4}} \lor t_{$
- $1249. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{\neg e_{4,5},\,e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \lor t_{\neg e_{4,5},\,e_{4,6}} \lor t_{\neg e_{4,5},\,e_{$
- $1250. \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,4},\,\neg e_{2,4}} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}$
- 1251.  $e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$
- $1252. \ e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e$
- $1253. \ e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4}, e_{2,4}} \vdash t_{e_{4,5}, \neg e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$
- $1254. \ e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}}, \neg e_{3,4} \lor t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{4,5}, \neg e_{4,6}} \lor t_{e_{4,5}, e_{4,6}} \lor t_{e_{4,5}$
- $1255. \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{4,5},\,\neg e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4}$
- $1256. \ \ e_{3,4} \lor t_{e_{1,4},\,e_{2,4}} \lor t_{e_{4,5},\,\neg e_{4,6}}, e_{1,4} \lor e_{2,4} \lor \neg t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{4,5},\,\neg e_{4,6}} \lor e_{3,4} \lor e_{1,4} \lor e_{2,4} \lor e_{4,5}, e_{4,6} \lor e_{4,6}, e_{4,6} \lor e_{4,6} \lor e_{4,6} \lor e_{4,6}, e_{4,6} \lor e_{4,$
- $1257. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg e$
- $1258. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$
- $1259. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1260. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$

$$1261. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg$$

$$1262. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1263. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1264. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1265. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{$$

$$1266. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{2,5}$$

$$1267. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg e_{2,5}$$

$$1268. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1269. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg e$$

$$1270. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{2,$$

$$1271. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1272. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{$$

$$1273. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg$$

$$1274. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$1275. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1276. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$1277. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1278. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor$$

$$1279. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1280. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$1281. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1282. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$1283. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1284. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$1285. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1286. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6}$$

$$1287. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1288. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$1289. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \vee e_{4,5} \vee \neg e_{2,5}$$

$$1290. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{5,6} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash e_{5,6} \vee \neg e_{1,5} \vee \neg e_{2,5}$$

$$1291. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

$$1292. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \vee \neg e_{2,5} \vee \neg e_{4,5}$$

$$1293. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{5,6} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{5,6} \vee \neg e_{1,5} \vee \neg e_{2,5}$$

$$1294. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{1,5} \lor t_{e_{4,5}, e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

$$1295. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \vee t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,5} \vee e_{4,5} \vee \neg e_{2,5}$$

$$1296. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5}$$

$$1297. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{2,5}$$

$$1298. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \vee \neg e_{2,5} \vee \neg e_{4,5}$$

1299. 
$$\neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5}$$

$$1300. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5}$$

$$1301. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1302. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \vee t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,5}, e_{2,5}} \vee t_{\neg$$

$$1303. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e$$

$$1304. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1305. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e$$

$$1306. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg$$

$$1307. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1308. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg$$

$$1309. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg$$

$$1310. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1311. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg$$

$$1312. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1313. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,5$$

$$1314. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1315. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_$$

$$1316. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

1317. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1318. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

1319. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1320. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$1321. \ e_{1,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$1322. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

$$1323. \ e_{1,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor t_{e_{1,2}, \lnot e_{1,3}} \vdash t_{e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$1324. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

1325. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1326. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

1327. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1328. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$1329. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1330. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

1331. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1332. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

$$1333. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1$$

$$1334. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1335. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1336. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1337. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

1338. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$1339. \ e_{1,5} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \vee e_{2,5} \vee \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \vee \neg t_{\neg e_{1,5}, \, e_{2,5}} \vee e_{2,5}$$

1340. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

1341. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1342. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1343. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1344. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1345. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1346. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1347. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1348. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1349. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6}$$

$$1350. \ \ e_{2,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor t_{\lnot e_{1,2}, \lnot e_{2,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{2,3}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$1351. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \lor e_{2,6}$$

$$1352. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1353. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \lor e_{2,6}$$

1354. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1355. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,$$

$$1356. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1357. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

1358. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1359. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$1360. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1361. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

1362. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1363. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \lor e_{2,6}$$

1364. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1365. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1366. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1367. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,$$

$$1368. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,$$

1369. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1370. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1371. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1372. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1373. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,$$

$$1374. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,$$

$$1375. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$1376. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,$$

1377. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1378. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1379. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1380. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1381. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$1382. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor \neg e_{5,6$$

$$1383. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$1384. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$1385. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$1386. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$1387. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$1388. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,$$

$$1389. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg$$

$$1390. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$1391. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$1392. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,$$

$$1393. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$1394. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,$$

$$1395. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{4,5}, \neg e$$

$$1396. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$1397. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}$$

$$1398. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1399. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$1400. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1401. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

$$1402. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}$$

$$1403. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{5,6} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \vee \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vee \neg e_{4,5}$$

$$1404. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}, \neg e_{5,6} \lor \neg e_{5,6$$

$$1405. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$1406. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor$$

$$1407. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1408. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1409. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1410. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{3,5} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1411. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1412. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg$$

$$1413. \ \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4$$

$$1414. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1415. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg e_{5,6}$$

$$1416. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1417. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor e_{3,5} \lor \neg e_{4,5}$$

$$1418. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

$$1419. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1420. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$1421. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1422. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

$$1423. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}$$

$$1424. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \vee \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vee \neg e_{4,5}$$

$$1425. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$1426. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$1427. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$1428. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$1429. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$1430. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{5,6} \vee t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \vee \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vee \neg e_{4,5}$$

$$1431. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1432. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, \, e_{5,6}} \lor \neg e_{5,6} \lor \neg e_$$

$$1433. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$1434. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee \neg e_{4,5}$$

$$1435. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1436. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$1437. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}} \vee \neg e_{4,5}$$

$$1438. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$1439. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

1440. 
$$\neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$1441. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

$$1442. \ e_{4,5} \lor t_{\lnot e_{1,5},\,\lnot e_{2,5}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4},\,\lnot e_{2,4}} \vdash t_{\lnot e_{1,4},\,\lnot e_{2,4}} \lor t_{\lnot e_{1,5},\,\lnot e_{2,5}}$$

$$1443. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$1444. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1445. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

1446. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1447. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

1448. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1449. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

- 1450.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1451. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg e_{$
- 1452.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1453. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg e_{4,6}$
- $1454. \ e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$
- 1455.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$
- 1456.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1457. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$
- 1458.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1459. \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$
- $1460. \ \ e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{\lnot e_{1,5}, \lnot e_{2,5}}$
- 1461.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- 1462.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1463. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$
- $1464. \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$
- $1465. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- 1466.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1467. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$
- 1468.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1469. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$
- 1470.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1471. \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$
- 1472.  $e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1473. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$
- 1474.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$
- 1475.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1476. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$

- 1477.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1478. \ e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$
- $1479. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$
- 1480.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- 1481.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1482. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1483. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$
- 1484.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1485. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$
- 1486.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- 1487.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1488. \ e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$
- $1489. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$
- 1490.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1491. \ e_{5,6} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{5,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$
- 1492.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$
- 1493.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- 1494.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$
- $1495. \ \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$
- $1496. \ e_{5,6} \lor t_{\lnot e_{1,5},\,\lnot e_{2,5}}, \lnot e_{5,6} \lor t_{\lnot e_{1,6},\,e_{2,6}} \vdash t_{\lnot e_{1,6},\,e_{2,6}} \lor t_{\lnot e_{1,5},\,\lnot e_{2,5}}$
- 1497.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $1498. \ e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}}$
- $1499. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$
- $1500. \ e_{5,6} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{5,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \vdash t_{e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$
- 1501.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$
- 1502.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- 1503.  $e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$

- $1504. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$
- $1505. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}$
- $1506. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor e_$
- $1507. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg$
- $1508. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,5}, e_{4,5} \lor e_{4,5} \lor e_{4,5}, e_{4,5} \lor e_{4,5$
- $1509. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}$
- $1510. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,6} \lor e_{3,$
- $1511. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5$
- $1512. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor e_{3,6} \lor e_{3,6}$
- $1513. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e$
- $1514. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{5,6} \lor e_{5,$
- $1515. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e$
- $1516. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor e_$
- $1517. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}}$
- $1518. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor e_{3,6} \lor e_{3$
- $1519. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{e_{1,3}, \, e_{2,3}}$
- $1520. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,6} \lor e_{3,$
- $1521. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg$
- $1522. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \neg e_$
- $1523. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg$
- $1524. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg$
- $1525. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}$
- $1526. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, e_{5,$
- $1527. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{$
- $1528. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5},$
- $1529. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$
- $1530. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$

$$1531. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg$$

$$1532. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1533. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg$$

$$1534. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1535. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1536. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1537. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1538. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1539. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg e$$

$$1540. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{2,5}$$

$$1541. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1542. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,$$

$$1543. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1544. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1545. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor r_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{$$

$$1546. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$1547. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg$$

$$1548. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$1549. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \vee t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \vee \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{1,2}, e_{2,3}}$$

$$1550. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$1551. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1552. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6}$$

$$1553. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1554. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$1555. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1556. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6}$$

$$1557. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1558. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$1559. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1560. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$1561. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \vee e_{4,5} \vee \neg e_{2,5}$$

$$1562. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5}$$

$$1563. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5} \lor \neg e_{3,5$$

$$1564. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \vee \neg e_{2,5} \vee \neg e_{4,5}$$

$$1565. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, \neg e_{5,6} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{5,6} \vee \neg e_{1,5} \vee \neg e_{2,5}$$

$$1566. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{1,5} \lor t_{e_{4,5}, e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5} \lor$$

$$1567. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \vee e_{4,5} \vee \neg e_{2,5}$$

$$1568. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5}$$

$$1569. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{2,5}$$

$$1570. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \vee \neg e_{2,5} \vee \neg e_{4,5}$$

$$1571. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{5,6} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash e_{5,6} \vee \neg e_{1,5} \vee \neg e_{2,5}$$

$$1572. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5}$$

$$1573. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e$$

$$1574. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1575. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e$$

$$1576. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg$$

$$1577. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1$$

$$1578. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1579. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1580. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg$$

$$1581. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg$$

$$1582. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1583. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,5$$

$$1584. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1585. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg$$

$$1586. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1587. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg$$

$$1588. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

1589. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1590. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

$$1591. \ \ e_{1,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$1592. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

$$1593. \ e_{1,5} \lor t_{\lnot e_{1,5},\,\lnot e_{2,5}}, \lnot e_{1,5} \lor t_{e_{1,2},\,\lnot e_{1,3}} \vdash t_{e_{1,2},\,\lnot e_{1,3}} \lor t_{\lnot e_{1,5},\,\lnot e_{2,5}}$$

$$1594. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

1595. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1596. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

1597. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1598. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$1599. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1600. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

1601. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1602. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$1603. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1604. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$1605. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1606. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{$$

$$1607. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,$$

$$1608. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

1609. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$1610. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$1611. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$1612. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$1613. \ \ e_{1,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

1614. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1615. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1616. \ \ e_{1,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

1617. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1618. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1619. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1620. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1621. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6}$$

1622. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1623. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \lor e_{2,6}$$

1624. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1625. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \lor e_{2,6}$$

$$1626. \ \ e_{2,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor t_{\lnot e_{1,2}, e_{2,3}} \vdash t_{\lnot e_{1,2}, e_{2,3}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$1627. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

1628. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1629. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

$$1630. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1631. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

1632. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1633. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

1634. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1635. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

1636. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1637. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1638. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,$$

$$1639. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1640. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

1641. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1642. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1643. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1644. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1645. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$1646. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,$$

$$1647. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,$$

$$1648. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,$$

1649. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1650. \ \ e_{2,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

1651. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1652. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1653. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5},\,\lnot e_{4,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},\,\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\,e_{5,6}} \lor \lnot e_{4,6} \lor e_{4,6}$$

$$1654. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4},\, \lnot e_{2,4}} \vdash e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}} \lor t_{\lnot e_{1,4},\, \lnot e_{2,4}}$$

$$1655. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e$$

$$1656. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$1657. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\,$$

$$1658. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4},\,e_{2,4}} \vdash e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}} \lor t_{\lnot e_{1,4},\,e_{2,4}}$$

$$1659. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg$$

$$1660. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}} \lor t_{\lnot e_{1,4},\, e_{2,4}}$$

$$1661. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\,$$

1662. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$1663. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg e$$

$$1664. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

$$1665. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg$$

1666. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$1667. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

1668. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$1669. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$1670. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{4,5}$$

$$1671. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{4,5} \lor \neg e_{3,5}$$

$$1672. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{e$$

$$1673. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor e_{4,5}$$

$$1674. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$1675. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}$$

$$1676. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor \neg t_{e$$

$$1677. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$1678. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

1679. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1680. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

$$1681. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{5,6} \lor t_{\lnot e_{1,5},\, e_{2,5}} \vdash \lnot t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

$$1682. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor e_{4,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \lor e_{5,6} \lor e_{5,6$$

$$1683. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{e$$

$$1684. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{5,6} \lor t_{e_{1,5},\, \lnot e_{2,5}} \vdash t_{e_{1,5},\, \lnot e_{2,5}} \lor \lnot t_{e_{4,5},\, e_{5,6}} \lor e_{4,5}$$

$$1685. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

1686. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$1687. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{4,5},\, e_{5,6}}$$

$$1688. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{5,6} \lor t_{e_{1,5},\, \lnot e_{2,5}} \vdash t_{e_{1,5},\, \lnot e_{2,5}} \lor \lnot t_{e_{4,5},\, e_{5,6}} \lor e_{4,5}$$

$$1689. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor e_{3,5} \lor e_{4,5}$$

$$1690. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \lnot t_{e_{4,5},\, e_{5,6}}$$

1691. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$1692. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{4,5} \lor \neg e_{3,5}$$

$$1693. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{e$$

$$1694. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$1695. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$1696. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,5},\, e_{5,6}}$$

$$1697. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$1698. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$$

$$1699. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{5,6} \lor t_{\lnot e_{1,6},\, \lnot e_{2,6}} \vdash \lnot t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor t_{\lnot e_{1,6},\, \lnot e_{2,6}}$$

$$1700. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor$$

1701. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$1702. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

$$1703. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor e_{5,6} \lor e_{5,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor e_{5,6} \lor \neg e_{5,6} \lor e_{5,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor e_{5,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor e_{5,6} \lor \neg e_{5,6} \lor \neg$$

1704. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

1705. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$1706. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

$$1707. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e$$

$$1708. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{5,6} \lor t_{e_{1,6},\, \lnot e_{2,6}} \vdash \lnot t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6},\, \lnot e_{2,6}}$$

$$1709. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{4,$$

1710. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, e_{2,6}}$$

1711. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, e_{2,6}}$$

$$1712. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4$$

$$1713. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1714. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

$$1715. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1716. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

$$1717. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$1718. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

1719. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1720. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

1721. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1722. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

$$1723. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1724. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

1725. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1726. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

1727. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1728. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg t_{e_{4,6}, \,$$

1729. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

1730. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1731. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1732. \ \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1733. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1734. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

1735. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1736. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

1737. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1738. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1739. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

1740. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1741. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$1742. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1743. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1744. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

1745. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

1746. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1747. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,5}$$

1748. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1749. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,5}$$

1750. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1751. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1752. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1753. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,5}$$

$$1754. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

1755. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1756. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash \neg t_{e_{4,5}, \, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

1757. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1758. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash \neg t_{e_{4,5}, \, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1759. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,5}$$

1760. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1761. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1762. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

1763. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

1764. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1765. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6}$$

$$1766. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash t_{\neg e_{1,6},\, e_{2,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

1767. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1768. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

$$1769. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

$$1770. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$1771. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, \, \neg e_{2,6}} \vdash t_{e_{1,6}, \, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

1772. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

1773. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1774. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

$$1775. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6}$$

1776. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1777. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg$$

$$1778. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{3,6} \lor t_{e_{4,5}, e_{5,6}}$$

$$1779. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1780. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{3,6} \lor e_{4,5}, e_{5,6} \lor e_{4,5}, e_{5,6} \lor e_{4,5}, e_{5,6} \lor e_{4,5}, e_{5,6} \lor e_{5,6}$$

$$1781. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1782. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,6} \lor e_{4,5}, e_{5,6} \lor e_$$

$$1783. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1784. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{3,6} \lor t_{e_{4,5}, \, e_{5,6}}$$

$$1785. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}$$

$$1786. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, e_{5,6}}, e_{4,5}, e_{5,6}, e_$$

$$1787. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1788. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{3,6} \lor t_{e_{4,5}, e_{5,6}}$$

$$1789. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}}$$

$$1790. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash \neg t_{e_{3,5}, e_{3,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{3,6} \lor t_{e_{4,5}, e_{5,6}}$$

1791. 
$$\neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1792. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{3,6} \lor e_{4,5}, e_{5,6} \lor e_{5,6$$

$$1793. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{3,5}$$

$$1794. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1795. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1796. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{$$

$$1797. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{3,5}$$

$$1798. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1799. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, e_{5,$$

$$1800. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{3,5}$$

$$1801. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$$

$$1802. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{3,5}$$

$$1803. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{4,5}, \, e_$$

$$1804. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{e_{4,5}, \, e_{5,6}} \lor$$

$$1805. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1806. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1807. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1808. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1809. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg$$

$$1810. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1811. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1812. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$1813. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{$$

$$1814. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{2,5}$$

$$1815. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1816. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1817. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg e$$

1818. 
$$\neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1819. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1820. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1821. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg$$

$$1822. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$1823. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{$$

$$1824. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$1825. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1826. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$1827. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$1828. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$1829. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1830. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$1831. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1832. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6}$$

$$1833. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1834. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6} \lor e_{2,6}$$

$$1835. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1836. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$1837. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \vee e_{4,5} \vee \neg e_{2,5}$$

$$1838. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{5,6} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \vee \neg e_{1,5} \vee \neg e_{2,5}$$

$$1839. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

$$1840. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5}$$

$$1841. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5}$$

$$1842. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{1,5} \lor t_{e_{4,5}, e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

$$1843. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \vee e_{4,5} \vee \neg e_{2,5}$$

$$1844. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5}$$

$$1845. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{2,5}$$

$$1846. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \vee \neg e_{2,5} \vee \neg e_{4,5}$$

1847. 
$$\neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5}$$

$$1848. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5}$$

$$1849. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e$$

$$1850. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1851. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1852. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1853. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1854. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1855. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1856. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg$$

$$1857. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,5$$

$$1858. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1859. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg$$

$$1860. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1861. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,5$$

$$1862. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1863. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg$$

$$1864. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

1865. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1866. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{$$

1867. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1868. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$1869. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1870. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

1871. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1872. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

1873. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1874. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

1875. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1876. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$1877. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$1878. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$1879. \ e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$1880. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

$$1881. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,$$

$$1882. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1883. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

1884. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1885. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$1886. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$1887. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$1888. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

1889. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1890. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1891. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1892. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1893. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1894. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1895. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1896. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1897. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

1898. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1899. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

1900. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1901. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

1902. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1903. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor$$

1904. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1905. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

$$1906. \ \ e_{2,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,2},\, \neg e_{2,3}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$1907. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6}$$

1908. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1909. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \ \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \ \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \ \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \ \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6}$$

1910. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1911. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

1912. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1913. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

1914. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1915. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1916. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

1917. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1918. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1919. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1920. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1921. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$1922. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,$$

$$1923. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,$$

$$1924. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

1925. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1926. 
$$e_{2,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

1927. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

1928. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1929. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$1930. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{$$

1931. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$1932. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg t_{e_{4,6},\, \neg e_{4,6}} \lor \neg t_{e_{$$

$$1933. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$1934. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

1935. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$1936. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{$$

$$1937. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,4},\, \neg e_{2,4}}$$

$$1938. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg t_{e_{4,6},\, \neg e_{4,6}} \lor \neg t_{e_{$$

$$1939. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,4},\, \neg e_{2,4}}$$

$$1940. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

1941. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

$$1942. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{$$

$$1943. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,4},\, e_{2,4}}$$

$$1944. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg t_{e_{4,6},\, \neg e_{4,6}} \lor \neg t_{e_{$$

$$1945. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1946. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$1947. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{$$

$$1948. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5}$$

$$1949. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$1950. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5}$$

$$1951. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5}$$

1952. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

1953. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1954. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg e_{3,5} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$1955. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg t_{\neg e_{4,5$$

1956. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$1957. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg$$

$$1958. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

1959. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{5,6}}$$

$$1960. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

$$1961. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$1962. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1963. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}$$

$$1964. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg$$

$$1965. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

$$1966. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,$$

$$1967. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,5},\, e_{2,5}}$$

$$1968. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg$$

$$1969. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,5}$$

$$1970. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,5},\, e_{2,5}}$$

$$1971. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,5}$$

$$1972. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,5}$$

$$1973. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1974. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$1975. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$$

$$1976. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1977. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$1978. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1979. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1980. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$1981. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$1982. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1983. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1984. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$1985. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1986. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

1987. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$1988. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$1989. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

1990. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1991. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

1992. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1993. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

1994. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$1995. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

$$1996. \ \ e_{4,5} \lor t_{\lnot e_{1,5}, \, \lnot e_{2,5}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, \, e_{2,4}} \vdash t_{\lnot e_{1,4}, \, e_{2,4}} \lor t_{\lnot e_{1,5}, \, \lnot e_{2,5}}$$

$$1997. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

$$1998. \ \ e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$1999. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg e_{$$

$$2000. \ e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2001. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg e_{$$

$$2002. \ \ e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$2003. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$2004. \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2005. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

2006. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2007. \ \ e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

2008. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

2009. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2010. \ \ e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \vdash t_{\lnot e_{1,5}, e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$2011. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,$$

2012. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2013. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2014. \ \ e_{4,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$2015. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{$$

2016. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2017. \ e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

2018. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2019. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2020. \ e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

2021. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

2022. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2023. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,5}$$

2024. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2025. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,5}$$

2026. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2027. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2028. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2029. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,5}$$

2030. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2031. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

2032. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2033. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2034. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2035. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,5}$$

2036. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2037. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2038. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

$$2039. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

2040. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2041. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6}$$

2042. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2043. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2044. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

$$2045. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6}$$

2046. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2047. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

2048. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

2049. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2050. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

$$2051. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6}$$

2052. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2053. \ \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,5}, e_{5,6} \lor \neg e_{4,5},$$

$$2054. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2055. \ e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}}$$

$$2056. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{4,5}, e_{5,6}, \neg e_{5,6$$

$$2057. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,6} \lor e_{3,6$$

$$2058. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2059. \ \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,6} \lor \neg e_$$

$$2060. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2061. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2062. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{4,5}, e_{5,6}, \neg e_{5$$

$$2063. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2064. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2065. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2066. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2067. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,6} \lor e_{3,6$$

$$2068. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2069. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg$$

$$2070. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,5},$$

$$2071. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,5$$

$$2072. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5$$

$$2073. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2074. \ \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}}$$

$$2075. \ \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{4$$

$$2076. \ \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor$$

$$2077. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2078. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2079. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg$$

$$2080. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2081. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2082. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2083. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg e$$

$$2084. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2085. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{$$

$$2086. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2087. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg e$$

$$2088. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2089. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2090. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2091. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,6} \lor \neg e_{2,5} \lor \neg$$

$$2092. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg e_{2,$$

$$2093. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,3}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{$$

$$2094. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$2095. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,2},$$

$$2096. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$2097. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2098. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$2099. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$2100. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6} \lor e_{2,6}$$

$$2101. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2102. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

2103. 
$$\neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2104. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, \, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, \, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6} \lor e_{2,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor e_{2,6} \lor e_{2,6}$$

$$2105. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, \, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2106. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$2107. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e$$

$$2108. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_$$

$$2109. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \vee e_{4,5} \vee \neg e_{2,5}$$

$$2110. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor \neg e_{2,5}$$

$$2111. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{1,5} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

$$2112. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \vee \neg e_{2,5} \vee \neg e_{4,5}$$

$$2113. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{5,6} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{5,6} \vee \neg e_{1,5} \vee \neg e_{2,5}$$

$$2114. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash \neg e_{1,5} \lor t_{e_{4,5}, e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5} \lor$$

$$2115. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \vee e_{4,5} \vee \neg e_{2,5}$$

$$2116. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{5,6} \vee t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{5,6} \vee \neg e_{1,5} \vee \neg e_{2,5}$$

$$2117. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{2,5}$$

$$2118. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5}$$

$$2119. \ \, \neg e_{1,5} \vee \neg e_{2,5} \vee \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{5,6} \vee t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \vee \neg e_{1,5} \vee \neg e_{2,5}$$

$$2120. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5}$$

$$2121. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e$$

$$2122. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg$$

$$2123. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor$$

$$2124. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2125. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e$$

$$2126. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg$$

$$2127. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2128. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg$$

$$2129. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg$$

$$2130. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2131. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,5$$

$$2132. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2133. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg$$

$$2134. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2135. \ \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_$$

$$2136. \ \, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

2137. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2138. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$2139. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2140. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

2141. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2142. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

2143. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2144. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

2145. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2146. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$2147. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2148. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

$$2149. \ e_{1,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor t_{\lnot e_{1,2}, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$2150. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}}$$

2151. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2152. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$2153. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,$$

$$2154. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg$$

$$2155. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor$$

$$2156. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,$$

$$2157. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$2158. \ e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$2159. \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$2160. \ \ e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

2161. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2162. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2163. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2164. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2165. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2166. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2167. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2168. 
$$e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2169. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$2170. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2171. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

2172. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2173. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

2174. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2175. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$2176. \ e_{2,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor t_{\lnot e_{1,2}, e_{2,3}} \vdash t_{\lnot e_{1,2}, e_{2,3}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$2177. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

2178. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2179. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \ \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \ \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \ \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \ \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e_{2,6}$$

$$2180. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2181. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$2182. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \, e_{2,3}} \vdash t_{e_{1,2}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2183. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \lor e_{2,6}$$

2184. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2185. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2186. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2187. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg e_{1,5}, \neg e_{2,5} \lor \neg e_{1,5} \lor \neg e_{1,5}, \neg e_{2,5} \lor \neg e_{1,5} \lor \neg e_{2,5} \lor \neg e_{1,5} \lor \neg e_{2,5} \lor \neg e_{1,5} \lor \neg e_{2,5} \lor \neg e_{2,5}$$

$$2188. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,$$

2189. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2190. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2191. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2192. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2193. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{2,$$

$$2194. \ \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_{$$

$$2195. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$2196. \ e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$2197. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

2198. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2199. 
$$e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2200. \ e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2201. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$2202. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2203. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor$$

$$2204. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2205. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5},\lnot e_{5,6}}, \lnot e_{4,5} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5},e_{4,6}} \vdash \lnot e_{5,6} \lor e_{4,6} \lor \lnot t_{e_{4,5},\lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5},e_{4,6}} \lor \lnot t_{\lnot e_{4,5},e_{4$$

$$2206. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$2207. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$2208. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{1,4}, e_{2,4}}$$

$$2209. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}} \vdash \lnot e_{5,6} \lor e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}}$$

$$2210. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{5,6} \lor \lnot t_{e_{5,6}, \lnot e_{5,6}}, \lnot e_{5,6} \lor \lnot t_{6,6}, \lnot e_{5,6} \lor \lnot t_{6,6}, \lnot e_{5,6}, \lnot e_$$

$$2211. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$2212. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

$$2213. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,6}$$

$$2214. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

$$2215. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}$$

$$2216. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

$$2217. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_$$

$$2218. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{4,5}$$

$$2219. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$2220. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2221. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2222. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{4,5}$$

$$2223. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, e_{3,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor e_{3,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor e_{4,5}$$

$$2224. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2225. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2226. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2227. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4$$

$$2228. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2229. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5}, e_{5,6}} \vdash \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$2230. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2231. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

$$2232. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$2233. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{3,5}$$

$$2234. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4$$

$$2235. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$2236. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$2237. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

$$2238. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4$$

$$2239. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{4,5}$$

$$2240. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5}, e_{5,6}} \vdash \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$2241. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,5}, e_{2,5}}$$

$$2242. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{e_{1,5}, \, e_{2,5}}$$

$$2243. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{e_{1,5}, \, e_{2,5}} \lor e_{4,5}$$

$$2244. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor e_{4,5}$$

$$2245. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2246. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5},\,\lnot e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \lnot t_{e_{4,6},\,e_{5,6}} \vdash e_{4,6} \lor \lnot t_{e_{4,5},\,\lnot e_{5,6}} \lor e_{4,5} \lor \lnot t_{e_{4,6},\,e_{5,6}} \lor e_{4,6} \lor e_{5,6} \lor e_{4,6} \lor e_{5,6} \lor e_{4,6} \lor e_{5,6} \lor e_{5$$

$$2247. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg$$

$$2248. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2249. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e$$

$$2250. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$2251. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$2252. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$2253. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e$$

$$2254. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$2255. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$2256. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor e_{4,6} \lor e_{4,6} \lor e_{5,6} \lor e_{4,6} \lor e_{5,6} \lor e_{4,6} \lor e_{5,6} \lor e_{4,6} \lor e_{5,6} \lor e_{5,6$$

2257. 
$$e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}}, \neg e_{5,6}, e_{5,6} \lor t_{e_{1,6},e_{2,6}} \vdash \neg t_{e_{4,5},\neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6},e_{2,6}}$$

$$2258. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor e_{4,6} \lor e_{4,6} \lor e_{5,6} \lor e_{4,6} \lor e_{5,6} \lor e_{4,6} \lor e_{5,6} \lor e_{4,6} \lor e_{5,6} \lor e_{5,6$$

$$2259. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e$$

$$2260. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, e_{2,6}}$$

2261. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2262. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$2263. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2264. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

2265. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2266. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \,$$

$$2267. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2268. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

$$2269. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2270. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

2271. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2272. \ \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

2273. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2274. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

$$2275. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2276. \ \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

2277. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2278. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

2279. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2280. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2281. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2282. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

2283. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2284. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2285. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2286. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

2287. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2288. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2289. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2290. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

2291. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2292. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2293. \ e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5}$$

2294. 
$$e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2295. \ e_{5,6} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{5,6} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$2296. \ e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2297. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2298. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2299. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

2300. 
$$e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2301. \ e_{5,6} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$2302. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2303. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

2304. 
$$e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2305. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

2306. 
$$e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2307. 
$$e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2308. \ e_{5,6} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2309. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

$$2310. \ e_{5,6} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{5,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$2311. \ e_{5,6} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{5,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash t_{\lnot e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$2312. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

2313. 
$$e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2314. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$2315. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

2316. 
$$e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2317. \ e_{5,6} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}, \lnot e_{5,6} \lor t_{e_{1,6}, \lnot e_{2,6}} \vdash t_{e_{1,6}, \lnot e_{2,6}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

2318. 
$$e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$2319. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

$$2320. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2321. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg e_{5,$$

2322. 
$$e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2323. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2324. \ e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$2325. \ \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor$$

$$2326. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,$$

$$2327. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor e_{3,6} \lor e_{3,6}$$

$$2328. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,$$

$$2329. \ \ e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor e_{$$

$$2330. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5},$$

$$2331. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{3,6}} \lor \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{3,6}} \lor$$

$$2332. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5},$$

$$2333. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor e_{3,6} \lor e_{3,6}$$

$$2334. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}$$

$$2335. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_$$

$$2336. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor$$

$$2337. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{3,5}, \neg e_{3,6}} \lor t_{\neg e_{3,5}, \neg e_{3,6}} \lor \neg t_$$

$$2338. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2339. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor e_{3,6} \lor e_{3,6}$$

$$2340. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$2341. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_$$

$$2342. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, e_{5,6}}$$

$$2343. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5$$

$$2344. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5$$

$$2345. \ \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{4$$

$$2346. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}$$

$$2347. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_$$

$$2348. \ e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_$$

$$2349. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$2350. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2351. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2352. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2353. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2354. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2355. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$2356. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2357. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$2358. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2359. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$2360. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2361. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$2362. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2363. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2364. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$2365. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$$

$$2366. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$2367. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$2368. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$2369. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$2370. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$2371. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$2372. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$2373. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$2374. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2375. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$$

$$2376. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2377. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$$

$$2378. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2379. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$2380. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2381. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2382. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2383. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,$$

$$2384. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2385. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2386. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2387. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor$$

$$2388. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2389. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,5} \lor \neg e_{1,5} \lor e_{2,5}$$

2390. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2391. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg e_{1,5} \lor e_{2,5} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{3,5}$$

2392. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor e_{2,5} \lor \neg e_{4,5}$$

2393. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2394. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{1,5} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor e_{2,5} \lor \neg e_{3,5}$$

$$2395. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,5} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2396. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2397. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{2,5}$$

$$2398. \ \, \neg e_{1,5} \vee e_{2,5} \vee \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \vee t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \vee e_{2,5} \vee \neg e_{4,5}$$

$$2399. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2400. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor e_{2,5} \lor t_{e_{4,5},\, e_{5,6}}$$

$$2401. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2402. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2403. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2404. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2405. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2406. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2407. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2408. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2409. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2410. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2411. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2412. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2413. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2414. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2415. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2416. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2417. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2418. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2419. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2420. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2421. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2422. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2423. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2424. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2425. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$2426. \ e_{1,5} \lor t_{\neg e_{1,5},\ e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\ \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\ \neg e_{2,5}} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{\neg e_$$

$$2427. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$2428. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

2429. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2430. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2431. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2432. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2433. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2434. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2435. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2436. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2437. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

2438. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

2439. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$2440. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,5},\, e_{2,5}}$$

2441. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2442. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

$$2443. \ \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{2,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2444. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

2445. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2446. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

2447. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2448. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

2449. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2450. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

2451. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2452. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

2453. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

2454. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

2455. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

$$2456. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

$$2457. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2458. \ \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2459. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

2460. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2461. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

$$2462. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

$$2463. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

$$2464. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

2465. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2466. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2467. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2468. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2469. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2470. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e$$

$$2471. \ \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2472. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2473. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$2474. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{$$

$$2475. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$2476. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg t_{e_{4,6},\, \neg e_{4,6}} \lor \neg t_{e_{4,6$$

$$2477. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$2478. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$2479. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$2480. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{$$

$$2481. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{e_{1,4}, \, \neg e_{2,4}}$$

$$2482. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$2483. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,4},\, \neg e_{2,4}}$$

$$2484. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{$$

$$2485. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,4},\, e_{2,4}}$$

$$2486. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$2487. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,4},\, e_{2,4}}$$

$$2488. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg t_{e_{4,6},\, \neg e_{4,6}} \lor \neg t_{e_{$$

$$2489. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$2490. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2491. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg$$

$$2492. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5}$$

$$2493. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2494. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5}$$

$$2495. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5}$$

$$2496. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2497. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2498. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg e_{3,5} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2499. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,$$

$$2500. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2501. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg$$

$$2502. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2503. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}$$

$$2504. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

$$2505. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$2506. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$2507. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}}, e_{4$$

$$2508. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg$$

$$2509. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

$$2510. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

2511. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,5}, e_{2,5}}$$

$$2512. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg$$

$$2513. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,5}$$

$$2514. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,5},\, e_{2,5}}$$

$$2515. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,5}$$

$$2516. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,5}$$

$$2517. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$2518. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$2519. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$2520. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$2521. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$2522. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,5$$

$$2523. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$2524. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$2525. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$2526. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,5} \lor \neg e_{4,5} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$2527. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor$$

$$2528. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$2529. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$2530. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$2531. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$2532. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,5$$

$$2533. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2534. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2535. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2536. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2537. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2538. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2539. \ e_{4,5} \lor t_{\neg e_{1,5},\ e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\ \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\ \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5},\ e_{2,5}}$$

2540. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2541. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2542. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2543. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2544. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2545. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2546. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2547. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2548. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,4}, \, e_{2,4}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2549. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2550. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2551. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2552. \ \ e_{4,5} \lor t_{\lnot e_{1,5}, \ e_{2,5}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, \ \lnot e_{2,5}} \vdash t_{\lnot e_{1,5}, \ \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \ e_{2,5}}$$

$$2553. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2554. \ e_{4,5} \lor t_{\lnot e_{1,5}, \, e_{2,5}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, \, e_{2,5}} \vdash t_{\lnot e_{1,5}, \, e_{2,5}}$$

$$2555. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \ e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \ \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \ \neg e_{5,6}} \lor t_{\neg e_{1,5}, \ e_{2,5}}$$

2556. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

- $2557. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$
- 2558.  $e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$
- $2559. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $2560. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$
- $2561. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- 2562.  $e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$
- $2563. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- 2564.  $e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$
- 2565.  $\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $2566. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $2567. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- 2568.  $\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$
- $2569. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- 2570.  $\neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,5},\, e_{2,5}}$
- 2571.  $\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$
- 2572.  $\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$
- $2573. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$
- $2574. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$
- 2575.  $\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$
- $2576. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- 2577.  $\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$
- $2578. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $2579. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$
- 2580.  $\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$
- $2581. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash t_{\neg e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $2582. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,6},\, e_{5,6}}$
- $2583. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$

2584. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2585. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2586. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2587. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2588. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

$$2589. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2590. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2591. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2592. \ \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

2593. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2594. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

$$2595. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2596. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2597. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2598. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash \neg t_{e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2599. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2600. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2601. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2602. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2603. \ \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2604. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2605. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2606. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2607. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2608. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2609. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2610. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

- $2611. \ \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $2612. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $2613. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5},$
- $2614. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e$
- $2615. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$
- $2616. \ \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_$
- $2617. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg$
- $2618. \ \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_$
- $2619. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{4,5},\,$
- $2620. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{4,5},\,$
- $2621. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$
- $2622. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- $2623. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$
- $2624. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- $2625. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- $2626. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2},\, \neg e_{1,3}}$
- $2627. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$
- $2628. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2},\, \neg e_{1,3}}$
- $2629. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- $2630. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- $2631. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$
- $2632. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- $2633. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$
- $2634. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$
- $2635. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- $2636. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$
- $2637. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$

$$2638. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$2639. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$2640. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$2641. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$2642. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$2643. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$$

$$2644. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$2645. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$2646. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2647. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$$

$$2648. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$2649. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$$

$$2650. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2651. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$2652. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2653. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,$$

$$2654. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$2655. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2656. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2657. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,$$

$$2658. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2659. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,$$

$$2660. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

2661. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{4,5} \lor \neg e_{1,5} \lor e_{2,5}$$

2662. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2663. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg e_{1,5} \lor e_{2,5} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{3,5}$$

$$2664. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor e_{2,5} \lor \neg e_{4,5}$$

$$2665. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2666. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{1,5} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor e_{2,5} \lor \neg e_{3,5}$$

$$2667. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,5} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2668. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2669. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor e_{2,5}$$

2670. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor e_{2,5} \lor \neg e_{4,5}$$

$$2671. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2672. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor e_{2,5} \lor t_{e_{4,5},\, e_{5,6}}$$

$$2673. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$2674. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2675. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2676. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2677. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2678. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2679. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2680. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

2681. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2682. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2683. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2684. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2685. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2686. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2687. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2688. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2689. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2690. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2691. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2692. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2693. \ e_{1,5} \lor t_{\lnot e_{1,5}, \, e_{2,5}}, \lnot e_{1,5} \lor t_{\lnot e_{1,2}, \, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \, e_{2,5}}$$

$$2694. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2695. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2696. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2697. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$2698. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$2699. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$2700. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$2701. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2702. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2703. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2704. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2705. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2706. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2707. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2708. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2709. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$2710. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,5},\, e_{2,5}}$$

2711. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

2712. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

2713. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2714. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

2715. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2716. \ \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}}$$

2717. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2718. \ \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}}$$

2719. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2720. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

2721. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2722. \ \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{2,5}, \, \neg e_{2,6}}$$

2723. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2724. \ \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

2725. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

$$2726. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

$$2727. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, e_{2,3}}$$

$$2728. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \lor \neg t_$$

$$2729. \ \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

2730. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2731. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2732. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2733. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

$$2734. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

$$2735. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

$$2736. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

$$2737. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2738. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2739. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2740. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2741. \ \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2742. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2743. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2744. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e$$

$$2745. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$2746. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$2747. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$2748. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

$$2749. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}} \vdash \lnot e_{5,6} \lor e_{4,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}}$$

$$2750. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, e_{2,4}} \vdash \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{1,4}, e_{2,4}}$$

$$2751. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$2752. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$2753. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$2754. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor t_{e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,4}, \lnot e_{2,4}} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}$$

$$2755. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6}$$

$$2756. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}}$$

$$2757. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$2758. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

$$2759. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$2760. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, e_{2,4}} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

$$2761. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_$$

$$2762. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{4,5}$$

$$2763. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$2764. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$2765. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$2766. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{4,5}$$

$$2767. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{4,5}$$

$$2768. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \vdash \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{1,5}, e_{2,5}}$$

$$2769. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2770. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{4,5} \lor \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2771. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4$$

$$2772. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2773. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$2774. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2775. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

$$2776. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$2777. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{3,5}$$

$$2778. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4$$

$$2779. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$2780. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5}, e_{5,6}} \vdash \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$2781. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}},$$

$$2782. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_$$

$$2783. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{4,5}$$

$$2784. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$2785. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,5}, e_{2,5}}$$

$$2786. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{e_{1,5}, \, e_{2,5}}$$

$$2787. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{4,5}$$

$$2788. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor e_{4,5}$$

$$2789. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$2790. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,$$

$$2791. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg$$

$$2792. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$$

$$2793. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e$$

$$2794. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$2795. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$2796. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$2797. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e$$

$$2798. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$2799. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$2800. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor e_{4,6} \lor e_{5,6} \lor e$$

$$2801. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, e_{2,6}}$$

$$2802. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$2803. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg$$

$$2804. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, e_{2,6}}$$

2805. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2806. \ \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2807. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2808. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2809. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2810. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2811. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2812. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2813. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2814. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2815. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2816. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2817. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2818. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2819. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2820. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2821. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2822. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2823. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2824. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2825. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

$$2826. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2827. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

$$2828. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2829. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2830. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2831. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2832. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2833. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2834. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2835. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2836. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2837. \ e_{5,6} \lor t_{\neg e_{1,5},\ e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\ \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\ \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\ e_{2,5}}$$

2838. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

2839. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$2840. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2841. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

$$2842. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2843. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2844. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

2845. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2846. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2847. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2848. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2849. \ e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2850. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

2851. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$2852. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2853. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2854. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2855. \ e_{5,6} \lor t_{\lnot e_{1,5}, \, e_{2,5}}, \lnot e_{5,6} \lor t_{\lnot e_{1,6}, \, \lnot e_{2,6}} \vdash t_{\lnot e_{1,6}, \, \lnot e_{2,6}} \lor t_{\lnot e_{1,5}, \, e_{2,5}}$$

$$2856. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2857. \ e_{5,6} \lor t_{\lnot e_{1,5},\, e_{2,5}}, \lnot e_{5,6} \lor t_{\lnot e_{1,6},\, e_{2,6}} \vdash t_{\lnot e_{1,6},\, e_{2,6}} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

$$2858. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2859. \ e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2860. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2861. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2862. \ e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2863. \ e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2864. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2865. \ e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2866. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2867. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2868. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,6}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2869. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2870. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2871. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2872. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2873. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2874. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2875. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2876. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2877. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2878. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2879. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2880. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2881. \ \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{4,5},\, \neg e_{5,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2882. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2883. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2884. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{2,5},\, e_{2,5}} \lor t_{\neg e_{$$

$$2885. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{e_{4,5},\, e_{5,6}}$$

$$2886. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2887. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2888. \ \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{4,5},\, \neg e_{5,6}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{e_{4,5},\,$$

$$2889. \ \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5},$$

$$2890. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{e_{4,$$

$$2891. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{e_{4,$$

$$2892. \ \, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{e_{4,5},\, \neg$$

$$2893. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$2894. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2895. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2896. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2897. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

2898. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2899. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$2900. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \, \neg e_{1,3}}$$

$$2901. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2902. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2903. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$2904. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2905. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$2906. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

$$2907. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

- $2908. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$
- $2909. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$
- $2910. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$
- $2911. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$
- $2912. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}$
- $2913. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$
- $2914. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}}$
- $2915. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$
- $2916. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}}$
- $2917. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$
- $2918. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}}$
- $2919. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$
- $2920. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}}$
- $2921. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$
- $2922. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$
- $2923. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$
- $2924. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$
- $2925. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$
- $2926. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- $2927. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$
- $2928. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- $2929. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,$
- $2930. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- $2931. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$
- $2932. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$
- 2933.  $\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash e_{4,5} \lor \neg e_{1,5} \lor e_{2,5}$
- $2934. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$

$$2935. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg e_{1,5} \lor e_{2,5} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{3,5}$$

$$2936. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor e_{2,5} \lor \neg e_{4,5}$$

$$2937. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2938. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{1,5} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor e_{2,5} \lor \neg e_{3,5} \lor e_$$

2939. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,5} \lor \neg e_{1,5} \lor e_{2,5}$$

2940. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2941. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor e_{2,5}$$

$$2942. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor e_{2,5} \lor \neg e_{4,5}$$

2943. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$2944. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor e_{2,5} \lor t_{e_{4,5},\, e_{5,6}}$$

$$2945. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2946. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2947. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2948. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2949. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2950. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2951. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$2952. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$2953. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2954. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2955. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2956. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

2957. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$2958. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2959. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$2960. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2961. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2962. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2963. \ e_{1,5} \lor t_{\lnot e_{1,5},\, e_{2,5}}, \lnot e_{1,5} \lor t_{\lnot e_{1,2},\, e_{1,3}} \vdash t_{\lnot e_{1,2},\, e_{1,3}} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

$$2964. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2965. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2966. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2967. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,2},\, \neg e_{1,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2968. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2969. \ e_{1,5} \lor t_{\neg e_{1,5},\ e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\ \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\ \neg e_{2,5}} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{\neg e_$$

$$2970. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$2971. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg e_{2,5} \lor$$

$$2972. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$2973. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2974. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$2975. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$2976. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

2977. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2978. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2979. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2980. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2981. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

2982. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

2983. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

2984. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

2985. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2986. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

2987. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2988. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

2989. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$2990. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

2991. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2992. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

2993. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2994. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

2995. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

2996. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

2997. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \, e_{2,3}} \vdash t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{1,2}, \, e_{2,3}}$$

$$2998. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

2999. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

3000. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

3001. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3002. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3003. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3004. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3005. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3006. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3007. \ \neg e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \,$$

$$3008. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

3009. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3010. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3011. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3012. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3013. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3014. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3015. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3016. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3017. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \vee t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash \neg e_{5,6} \vee \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vee t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3018. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg e_{5,6} \lor \neg e_{5,6$$

$$3019. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3020. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$3021. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3022. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$3023. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, e_{2,4}}$$

$$3024. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,$$

$$3025. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg$$

$$3026. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$3027. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg$$

$$3028. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,$$

$$3029. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

$$3030. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,$$

$$3031. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

$$3032. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$3033. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}$$

$$3034. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3035. \ \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$3036. \ \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,$$

$$3037. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{$$

$$3038. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}$$

$$3039. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3040. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3041. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3042. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor$$

$$3043. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3044. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3045. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3046. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{3,5} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{3,5}} \lor t_{$$

$$3047. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}, \neg e_{5,6} \lor \neg e_{5,6}$$

$$3048. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

$$3049. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor$$

$$3050. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3051. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor e_{$$

$$3052. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3053. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \vee t_{e_{1,5}, \, \neg e_{2,5}} \vee t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \vee \neg e_{5,6} \vee e_{3,5} \vee \neg e_{4,5}$$

$$3054. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

$$3055. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \vee \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vee \neg e_{4,5}$$

$$3056. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$3057. \ \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,$$

$$3058. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

$$3059. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e$$

$$3060. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \vee \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vee \neg e_{4,5}$$

$$3061. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3062. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$3063. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5}$$

$$3064. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3065. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$3066. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3067. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3068. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$3069. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$3070. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3071. \ \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3072. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$3073. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$3074. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$3075. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$3076. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}} \vee \neg e_{4,5}$$

$$3077. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3078. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3079. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3080. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3081. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3082. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3083. \ \ e_{4,5} \lor t_{\neg e_{1,5}, \ e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \ \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \ \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, \ e_{2,5}}$$

$$3084. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3085. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3086. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3087. \ e_{4,5} \lor t_{\neg e_{1,5},\ e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\ \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\ \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5},\ e_{2,5}}$$

$$3088. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3089. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3090. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3091. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3092. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3093. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3094. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3095. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3096. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3097. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3098. 
$$e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3099. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3100. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

3101. 
$$e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3102. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3103. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3104. 
$$e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3105. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3106. \ e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3107. \ e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3108. \ e_{4,5} \lor t_{\lnot e_{1,5},\, e_{2,5}}, \lnot e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

$$3109. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3110. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3111. 
$$e_{5,6} \lor t_{\neg e_{1.5}, e_{2.5}}, \neg e_{5,6} \lor t_{\neg e_{1.5}, \neg e_{2.5}} \vdash t_{\neg e_{1.5}, e_{2.5}} \lor t_{\neg e_{1.5}, \neg e_{2.5}}$$

3112. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3113. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

3114. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3115. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3116. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

3117. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3118. \ e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{e_{4,5},\, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3119. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3120. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3121. \ e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3122. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3123. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3124. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3125. \ e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3126. \ e_{5,6} \lor t_{\lnot e_{1,5},\, e_{2,5}}, \lnot e_{5,6} \lor t_{\lnot e_{1,6},\, \lnot e_{2,6}} \vdash t_{\lnot e_{1,6},\, \lnot e_{2,6}} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

3127. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3128. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3129. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3130. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3131. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3132. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3133. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3134. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3135. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3136. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3137. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3138. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3139. \ e_{5,6} \lor t_{\lnot e_{1,5},\, e_{2,5}}, \lnot e_{5,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash t_{e_{1,6},\, e_{2,6}} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

3140. 
$$e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3141. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3142. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3143. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3144. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3145. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor e_{3,6} \lor e$$

$$3146. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3147. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3148. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3149. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{3,6} \lor e_{3,$$

$$3150. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3151. \ e_{3,5} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{\neg e_{4,5},\ \neg e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\ \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\ \neg e_{3,6}} \lor t_{\neg e_{4,5},\ \neg e_{5,6}} \lor t_{\neg e_{1,5},\ e_{2,5}}$$

$$3152. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3153. \ e_{3,5} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{\neg e_{4,5},\ \neg e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\ \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\ \neg e_{3,6}} \lor t_{\neg e_{4,5},\ \neg e_{5,6}} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{\neg e_{3,6},\ \neg e_{3,6}} \lor t_{\neg e_{4,5},\ \neg e_{5,6}} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{\neg e_{3,6},\ \neg e_{3,6}} \lor t_{\neg e_{3$$

$$3154. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3155. \ \ e_{3,5} \lor t_{\neg e_{1,5}, \ e_{2,5}} \lor t_{\neg e_{4,5}, \ \neg e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \ e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \ e_{3,6}} \lor t_{\neg e_{4,5}, \ \neg e_{5,6}} \lor e_{3,6} \lor t_{\neg e_{1,5}, \ e_{2,5}}$$

$$3156. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{e_{1,3},\, e_{2,3}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3157. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{$$

$$3158. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1$$

$$3159. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3160. \ \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3161. \ \ e_{3,5} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{\neg e_{4,5},\ \neg e_{5,6}}, \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 t_{\neg e_{4,5},\ \neg e_{5,6}} \lor t_{\neg e_{4,5},\ e_{5,6}} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{\neg e_{4,5},\ \neg 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_{4,5},\ e_{5,6}} \lor t_{\neg e_{4,5},\ e_{5,6}} \lor t_{\neg e_{5,6},\ e_{5,6}} \lor t_{\neg e_{5,6}} \lor t_{\neg e_{5,6},\ e_{5,6}} \lor t_{\neg e_{5,6},\$$

$$3162. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1$$

$$3163. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3164. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3165. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$3166. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3167. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3168. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3169. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3170. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$3171. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$3172. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$3173. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

3174. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$3175. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash \neg t_{e_{1,5}, \, e_{1,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$3176. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$3177. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash \neg t_{e_{1,5},\, e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{1,6} \lor e_{2,5}$$

$$3178. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$3179. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\, \neg e_{1,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3180. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$3181. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$$

$$3182. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$3183. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$3184. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$3185. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$3186. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$3187. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor$$

$$3188. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$3189. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$3190. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$3191. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$3192. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$3193. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{2,5}, \, \neg e_{2,6}} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg e_{2,6} \lor \neg e_{2,6$$

$$3194. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$3195. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6$$

$$3196. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash \neg e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$3197. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$3198. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3199. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,$$

$$3200. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3201. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$3202. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3203. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{1,$$

$$3204. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3205. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{4,5} \lor \neg e_{1,5} \lor e_{2,5}$$

$$3206. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$3207. \ \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash \neg e_{1,5} \lor e_{2,5} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{3,5}$$

$$3208. \ \, \neg e_{1,5} \vee e_{2,5} \vee \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \vee t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \vee e_{2,5} \vee \neg e_{4,5}$$

3209. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$3210. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{1,5} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor e_{2,5} \lor \neg e_{3,5}$$

3211. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{4,5} \lor \neg e_{1,5} \lor e_{2,5}$$

3212. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$3213. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor e_{2,5}$$

$$3214. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor e_{2,5} \lor \neg e_{4,5}$$

3215. 
$$\neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg e_{1,5} \lor e_{2,5}$$

$$3216. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash e_{3,5} \lor \neg e_{1,5} \lor e_{2,5} \lor t_{e_{4,5},\, e_{5,6}}$$

$$3217. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3218. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$3219. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3220. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$3221. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3222. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

$$3223. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3224. \ \, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}}$$

3225. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3226. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3227. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3228. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3229. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$3230. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3231. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3232. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\, \neg e_{1,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3233. \ e_{1,5} \lor t_{\lnot e_{1,5},\, e_{2,5}}, \lnot e_{1,5} \lor t_{\lnot e_{1,2},\, e_{1,3}} \vdash t_{\lnot e_{1,2},\, e_{1,3}} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

3234. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3235. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3236. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3237. \ e_{1,5} \lor t_{\lnot e_{1,5}, \, e_{2,5}}, \lnot e_{1,5} \lor t_{\lnot e_{1,2}, \, \lnot e_{1,3}} \vdash t_{\lnot e_{1,2}, \, \lnot e_{1,3}} \lor t_{\lnot e_{1,5}, \, e_{2,5}}$$

$$3238. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3239. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3240. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor e_{1,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3241. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg e_{2,5} \lor$$

$$3242. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$3243. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$3244. \ e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg e_{2,5} \lor \neg t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_$$

$$3245. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3246. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3247. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3248. \ e_{1,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3249. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3250. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3251. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3252. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3253. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3254. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3255. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3256. 
$$e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3257. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3258. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

3259. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3260. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

3261. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3262. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

3263. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3264. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

3265. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3266. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

3267. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3268. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\, e_{2,6}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, e_{2,6}} \lor e_{2,6}$$

3269. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

3270. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

3271. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

$$3272. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\, \neg e_{2,6}} \vdash \neg e_{2,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{2,5},\, \neg e_{2,6}}$$

3273. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3274. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3275. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3276. \ \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$3277. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

3278. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3279. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3280. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{$$

3281. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3282. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3283. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3284. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3285. 
$$\neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3286. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e$$

$$3287. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e$$

$$3288. \ \, \neg e_{2,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e$$

$$3289. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg$$

$$3290. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$3291. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e$$

$$3292. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$3293. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e$$

3294. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$3295. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg$$

$$3296. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$3297. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e$$

3298. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$3299. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg$$

$$3300. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

$$3301. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg$$

3302. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$3303. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e$$

$$3304. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, e_{5,6}}$$

$$3305. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}$$

$$3306. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{4,5}$$

$$3307. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{4,5} \lor \neg e_{3,5}$$

$$3308. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{e$$

$$3309. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{4,5}$$

$$3310. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$3311. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}$$

$$3312. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{e$$

3313. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3314. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

3315. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3316. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

3317. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$3318. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor e_{4,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \lor e_{5,6} \lor e_{5$$

$$3319. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_$$

$$3320. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$3321. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$3322. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

3323. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$3324. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$3325. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor e_{3,5} \lor e_{4,5}$$

3326. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$3327. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$3328. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{4,5} \lor \neg e_{3,5}$$

$$3329. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{e$$

3330. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$3331. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

3332. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$3333. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{5,6} \lor e_{5,6} \lor e_{5,6} \lor e_{5,6} \lor e_{5,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor e_{5,6} \lor e_{5,6} \lor \neg e_{5,6} \lor \neg e_{5,6} \lor e_{5,6} \lor \neg e_{5,6} \lor e_{5,6} \lor \neg e_{5,6}$$

$$3334. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$$

$$3335. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$$

$$3336. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

3337. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$3338. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

$$3339. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor e_$$

$$3340. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$3341. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

$$3342. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}}$$

$$3343. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg$$

$$3344. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\,\neg e_{2,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6},\,\neg e_{2,6}}$$

$$3345. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg$$

3346. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, e_{2,6}}$$

3347. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6},\,e_{2,6}}$$

$$3348. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

$$3349. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{\neg e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3350. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3351. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \, \neg e_{2,4}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3352. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3353. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3354. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3355. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3356. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3357. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3358. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3359. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,4},\, \neg e_{2,4}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3360. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3361. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3362. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3363. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3364. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3365. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3366. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3367. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3368. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3369. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

$$3370. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3371. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

3372. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3373. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3374. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3375. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3376. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3377. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3378. 
$$\neg e_{4,5} \lor t_{\neg e_{1.5}, e_{2.5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4.5}, e_{5.6}} \vdash e_{5,6} \lor \neg t_{e_{4.5}, e_{5.6}} \lor t_{\neg e_{1.5}, e_{2.5}}$$

3379. 
$$\neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3380. \ \, \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3381. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3382. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3383. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3384. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3385. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3386. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

3387. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}}$$

$$3388. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3389. \ \neg e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3390. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3391. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3392. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3393. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$3394. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3395. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3396. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3397. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3398. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

3399. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3400. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3401. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3402. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3403. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3404. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$3405. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6},\, e_{5,6}} \vdash \neg t_{\neg e_{4,6},\, e_{5,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

3406. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3407. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{5,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,6},\, \neg e_{2,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3408. \ \, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,6},\, e_{5,6}}$$

3409. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3410. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,6}, e_{5,6}}$$

3411. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3412. 
$$\neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3413. \ e_{3,5} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{e_{4,5},\ e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\ \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\ \neg e_{3,6}} \lor t_{e_{4,5},\ e_{5,6}} \lor t_{\neg e_{1,5},\ e_{2,5}}$$

$$3414. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3415. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3416. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\, \neg e_{2,3}} \vdash t_{\neg e_{1,3},\, \neg e_{2,3}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3417. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, \, e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3418. 
$$e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3419. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3420. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,3},\, e_{2,3}} \vdash t_{\neg e_{1,3},\, e_{2,3}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

- $3421. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $3422. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $3423. \ e_{3,5} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{e_{4,5},\ e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\ \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\ \neg e_{3,6}} \lor t_{e_{4,5},\ e_{5,6}} \lor t_{\neg e_{1,5},\ e_{2,5}}$
- $3424. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $3425. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor \neg t_{\neg e_{3,5},\, \neg e_{3,6}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5$
- $3426. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$
- $3427. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5},\, e_{3,6}} \vdash \neg t_{\neg e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $3428. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$
- $3429. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1$
- $3430. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $3431. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $3432. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $3433. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$
- $3434. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $3435. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_$
- $3436. \ e_{3,5} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{e_{4,5},\ e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\ \neg e_{2,5}} \lor t_{e_{4,5},\ \neg e_{5,6}} \vdash t_{e_{1,5},\ \neg e_{2,5}} \lor t_{e_{4,5},\ \neg e_{5,6}} \lor t_{e_{4,5},\ e_{5,6}} \lor t_{\neg e_{1,5},\ e_{2,5}} \lor t_{e_{4,5},\ \neg e_{5,6}} \lor t_{e_{4,5},\ e_{5,6}} \lor t_{e_{4,5$
- $3437. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$
- $3438. \ e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{1,5}, \, e_{2,$
- $3439. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$
- $3440. \ e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2$
- $3441. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$
- $3442. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{$
- $3443. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$
- $3444. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg$
- $3445. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$
- $3446. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,5} \lor$
- $3447. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$

$$3448. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{$$

$$3449. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$3450. \ \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5},$$

$$3451. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3452. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{$$

$$3453. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3454. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg$$

$$3455. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3456. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg$$

$$3457. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3458. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$3459. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3460. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$3461. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3462. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$3463. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3464. \ \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$3465. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3466. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$3467. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3468. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$3469. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3470. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

3471. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3472. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$3473. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_$$

$$3474. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3475. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,$$

$$3476. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3477. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,$$

$$3478. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3479. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5$$

$$3480. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3481. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \vee t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \vee e_{4,5} \vee \neg e_{2,5}$$

$$3482. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \vee t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \vee \neg e_{5,6} \vee \neg e_{2,5}$$

$$3483. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash e_{1,5} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

$$3484. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \vee t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \vee \neg e_{2,5} \vee \neg e_{4,5}$$

3485. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor \neg e_{2,5}$$

$$3486. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

3487. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor \neg e_{2,5}$$

$$3488. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5},\, \neg e_{2,5}}, e_{5,6} \vee t_{e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \vee e_{1,5} \vee \neg e_{2,5}$$

$$3489. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}}, e_{3,5} \vee t_{e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \vee e_{3,5} \vee t_{\neg e_{4,5}, \neg e_{5,6}} \vee \neg e_{2,5}$$

$$3490. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \vee t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{1,5} \vee \neg e_{2,5} \vee \neg e_{4,5}$$

3491. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{5,6} \lor \neg e_{2,5}$$

$$3492. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor t_{e_{4,5}, e_{5,6}} \lor \neg e_{2,5}$$

$$3493. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_$$

$$3494. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3495. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_$$

$$3496. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3497. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_$$

$$3498. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{1,5} \vee t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \vee \neg e_{2,5} \vee \neg t_{e_{1,5},\, \neg e_{2,5}}$$

$$3499. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3500. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3501. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

3502. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

$$3503. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}}$$

3504. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{e_{1,2}}, e_{1,3} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{e_{1,2}}, e_{1,3}$$

3505. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3506. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3507. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

3508. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

3509. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$3510. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \, e_{1,3}}$$

$$3511. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

3512. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

3513. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

3514. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3515. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}}$$

3516. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

3517. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3518. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3519. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3520. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3521. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3522. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{\neg e_{1,5}}, e_{2,5} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}}, e_{2,5}$$

3523. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3524. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3525. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3526. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$3527. \ \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

3528. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3529. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3530. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3531. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3532. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3533. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

$$3534. \ e_{2,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$3535. \ \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor e_{2,6} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \lor e_{2,6}$$

3536. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3537. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor e_{2,6} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \lor e_{2,6}$$

3538. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3539. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor$$

3540. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3541. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor e_{2,6} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \lor e_{2,6}$$

3542. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$3543. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

3544. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$3545. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

3546. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

$$3547. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor e_{2,6} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \lor e_{2,6}$$

3548. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

3549. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3550. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot$$

$$3551. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

3552. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

3553. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3554. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3555. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3556. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3557. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}}$$

3558. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3559. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor$$

3560. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

3561. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3562. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3563. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3564. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$3565. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3566. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{$$

$$3567. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3568. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg t_{e_{4,6},\, \neg e_{4,6}} \lor \neg t_{e_{$$

$$3569. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3570. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$3571. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,4},\, e_{2,4}}$$

$$3572. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{$$

$$3573. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,4},\, \neg e_{2,4}}$$

$$3574. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$3575. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,4},\, \neg e_{2,4}}$$

$$3576. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{$$

$$3577. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,4},\, e_{2,4}}$$

$$3578. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,5},\, e_{$$

3579. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,4}, e_{2,4}}$$

$$3580. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \lor \neg t_{e_{4,6},\, \neg e_{4,6}} \lor \neg t_{e_{4,6$$

$$3581. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3582. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$3583. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg$$

$$3584. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5}$$

$$3585. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$3586. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5}$$

$$3587. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,5}$$

$$3588. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3589. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3590. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg e_{3,5} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3591. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg t_{\neg e_{4,5$$

$$3592. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3593. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg$$

$$3594. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$3595. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}$$

$$3596. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

$$3597. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$3598. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3599. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}$$

$$3600. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{$$

$$3601. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

$$3602. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

3603. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,5}, e_{2,5}}$$

$$3604. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg$$

$$3605. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,5}$$

3606. 
$$\neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,5}, e_{2,5}}$$

$$3607. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,5}$$

$$3608. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,5}$$

$$3609. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3610. \ \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \, \neg e_{2,6}}$$

$$3611. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6},\, \neg e_{2,6}}$$

$$3612. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3613. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$3614. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3615. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor$$

$$3616. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{\neg e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$3617. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$3618. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,5$$

$$3619. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor$$

$$3620. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, \neg e_{2,6}} \lor \neg e_{4,5}$$

$$3621. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3622. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$3623. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\, e_{2,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor t_{e_{1,6},\, e_{2,6}} \lor \neg e_{4,5}$$

$$3624. \ \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{\neg e_{4,5},\, e_{5,6}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$3625. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e$$

3626. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

3627. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$3628. \ e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3629. \ e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

3630. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3631. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e$$

3632. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3633. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

3634. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$3635. \ \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,$$

3636. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$3637. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,6} \lor$$

3638. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

3639. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$3640. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

$$3641. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e$$

3642. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3643. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}}$$

$$3644. \ \ e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

$$3645. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}}$$

$$3646. \ \ e_{4,5} \lor t_{e_{1,5}, \, \lnot e_{2,5}}, \neg e_{4,5} \lor t_{\lnot e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \, e_{2,5}}$$

$$3647. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}}$$

3648. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3649. \ e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{5,6}}$$

3650. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

$$3651. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5},$$

3652. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

$$3653. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}}$$

3654. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$3655. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}}$$

3656. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3657. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3658. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5}$$

$$3659. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

3660. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3661. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

3662. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3663. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3664. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5}$$

$$3665. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

3666. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

3667. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

$$3668. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5}$$

3669. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3670. 
$$\neg e_{5,6} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}}, e_{5,6} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor \neg t_{e_{4,5}}, e_{5,6} \lor e_{4,5}$$

$$3671. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

3672. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3673. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3674. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

$$3675. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6}$$

3676. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3677. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6}$$

3678. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

3679. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

3680. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6}, e_{5,6}}$$

3681. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg e_{4,6}$$

3682. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

3683. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

3684. 
$$\neg e_{5,6} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},e_{5,6}} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor e_{4,6} \lor \neg t_{e_{4,6},e_{5,6}}$$

3685. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, e_{2,6}}$$

$$3686. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6}, \, e_{5,6}}$$

$$3687. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6}$$

3688. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, e_{2,6}}$$

$$3689. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}}$$

$$3690. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, e_{3,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, e_{5,6}}$$

- $3691. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}}$
- $3692. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,6} \lor e_{$
- $3693. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{5,6} \lor e$
- $3694. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, e_{5,6}}$
- $3695. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}}$
- $3696. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{3,5},\, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5},\, e_{5,6}}$
- $3697. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}}$
- $3698. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,6} \lor e_{3,6} \lor$
- $3699. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,3}, \, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \, e_{5,6}}$
- $3700. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, \, e_{5,6}}$
- $3701. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}}$
- $3702. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor e_{3,6} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,6} \lor e$
- $3703. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{\neg e_{4,5}, e_{5,6}}$
- $3704. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, e_{5,6}}, e_{3,6} \lor e_{3,6} \lor$
- $3705. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$
- $3706. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_$
- $3707. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{\neg e_{$
- $3708. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$
- $3709. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{5,6} \lor t_{\neg e_{4,5}, e_{5,6}} \lor$
- $3710. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,$
- $3711. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}$
- $3712. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,$
- $3713. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{1,5} \vee t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \vee \neg e_{2,5} \vee \neg t_{e_{1,5},\, \neg e_{2,5}}$
- $3714. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{$
- $3715. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{1,5} \vee t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \vee \neg e_{2,5} \vee \neg t_{e_{1,5},\, \neg e_{2,5}}$
- $3716. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg$
- $3717. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$

$$3718. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_$$

$$3719. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{1,5} \vee t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg e_{2,5} \vee \neg t_{e_{1,5},\, \neg e_{2,5}} \vee t_{e_{1,2},\, \neg e_{1,3}}$$

$$3720. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{$$

$$3721. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3722. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg$$

$$3723. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3724. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{$$

$$3725. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$3726. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{$$

$$3727. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{1,5}} \lor \neg e_{1,5} \lor \neg e_{1,5} \lor \neg e_{2,5} \lor \neg e_$$

$$3728. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_$$

$$3729. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3730. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$3731. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3732. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$3733. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3734. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$3735. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3736. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$3737. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3738. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$3739. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3740. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$3741. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3742. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$3743. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3744. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$3745. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,$$

$$3746. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3747. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e_{2,$$

$$3748. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3749. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5$$

3750. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3751. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_$$

$$3752. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

3753. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor \neg e_{2,5}$$

$$3754. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{5,6} \lor \neg e_{2,5}$$

$$3755. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash e_{1,5} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

3756. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5}$$

3757. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor \neg e_{2,5}$$

$$3758. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

$$3759. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor \neg e_{2,5}$$

3760. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor \neg e_{2,5}$$

$$3761. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5}$$

3762. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5}$$

$$3763. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{5,6} \lor \neg e_{2,5}$$

$$3764. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor t_{e_{4,5}, e_{5,6}} \lor \neg e_{2,5}$$

$$3765. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_$$

$$3766. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3767. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_$$

$$3768. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3769. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3770. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3771. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3772. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$3773. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

3774. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{e_{1,2}}, e_{1,3} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{e_{1,2}}, e_{1,3}$$

$$3775. \ \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}}$$

$$3776. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, e_{1,3}}$$

$$3777. \ \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}}$$

3778. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{e_{1,2}}, \neg e_{1,3}$$

3779. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

3780. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3781. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}}$$

3782. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3783. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

3784. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$3785. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\, e_{1,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{1,6}} \lor e_{1,6}$$

3786. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3787. \ \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

3788. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$3789. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, \neg e_{2,5}}$$

3790. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3791. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3792. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3793. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3794. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3795. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3796. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3797. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, \neg e_$$

3798. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3799. \ \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg e$$

$$3800. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}}$$

3801. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}}, e_{2,5} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}}, e_{2,5} \lor e_{2,5}$$

$$3802. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3803. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3804. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$3805. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6}$$

3806. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3807. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor e_{2,6} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \lor e_{2,6}$$

3808. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$3809. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor e_{2,6} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \lor e_{2,6}$$

3810. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$3811. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor$$

3812. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

3813. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

3814. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$3815. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

3816. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$3817. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

3818. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

3819. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

3820. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

$$3821. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot$$

3822. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3823. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$3824. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor e_{1,5} \lor e_{1,5} \lor e_{1,5} \lor \lnot e_{1,5} \lor e_{1,5} \lor$$

3825. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3826. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3827. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3828. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3829. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}}$$

$$3830. \ e_{2,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$3831. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor$$

$$3832. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}}$$

3833. 
$$e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3834. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3835. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$3836. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$3837. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6}$$

$$3838. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3839. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor$$

$$3840. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$3841. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

$$3842. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3843. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$3844. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3845. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor$$

$$3846. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor \neg t_{e_{5,6}, \neg e_{5,6}},$$

$$3847. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{$$

$$3848. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{5,6} \lor \neg t_{e_{5,6}, \neg e_{5,6}},$$

$$3849. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,6} \lor \lnot e_{4,5}, \lnot e_{5,6} \lor e_{5,6} \lor \lnot e_{5,6} \lor e_{5,6} \lor e_{5,6} \lor \lnot e_{5,6} \lor e_{5,6} \lor e_$$

$$3850. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

$$3851. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash \neg e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \lor$$

$$3852. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

$$3853. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_$$

$$3854. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, e_{5,6} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor e_{4,5}$$

$$3855. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$3856. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$3857. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$3858. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{4,5}$$

$$3859. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, e_{3,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor e_{3,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor e_{4,5}$$

$$3860. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

3861. 
$$e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3862. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor e_{4,5} \lor \lnot e_{3,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{\lnot e_{3,5}} \lor t_{\lnot e_{3$$

$$3863. \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{$$

$$3864. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, \, e_{2,5}}$$

$$3865. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$3866. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3867. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

$$3868. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$3869. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor e_{4,5} \lor \neg e_{3,5}$$

$$3870. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4$$

$$3871. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$3872. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

3873. 
$$e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

$$3874. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_$$

$$3875. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{4,5}$$

$$3876. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

3877. 
$$e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,5}, e_{2,5}}$$

$$3878. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{e_{1,5}, \, e_{2,5}}$$

$$3879. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{4,5}$$

$$3880. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor e_{4,5}$$

$$3881. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3882. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}}, \neg e_{5,6}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}}, \neg e_{5,6} \lor e_{4,5} \lor \neg t_{e_{4,6},e_{5,6}}$$

$$3883. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg$$

$$3884. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$3885. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg$$

$$3886. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$3887. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$3888. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$3889. \ \ e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5},\lnot e_{5,6}}, \lnot e_{4,6} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,6},e_{5,6}} \vdash \lnot t_{\lnot e_{4,6},e_{5,6}} \lor \lnot t_{e_{4,5},\lnot e_{5,6}} \lor e_{4,5} \lor \lnot e_{4,5} \lor \lnot e_{4,6}, e_{5,6} \lor \lnot e_{4,5}, \lnot e_{5,6} \lor \lnot e_{4,5}, \lnot e_{5,6} \lor \lnot e_{4,5}, \lnot e_{5,6} \lor \lnot e_{5,6}, e_{5,6} \lor e_{5,6} \lor e_{5,6}, e_{5,6} \lor e_{5$$

3890. 
$$e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

3891. 
$$e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$3892. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,6}, e_{5,6}$$

$$3893. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, e_{2,6}}$$

$$3894. \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$3895. \ \ e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg$$

3896. 
$$e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, e_{2,6}}$$

3897. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$3898. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$3899. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,4},\, \neg e_{2,4}}$$

$$3900. \ \, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \, \neg e_{4,6}}$$

3901. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$3902. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

3903. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

3904. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}$$

$$3905. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,4},\, \neg e_{2,4}}$$

$$3906. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

$$3907. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4},\, \neg e_{2,4}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,4},\, \neg e_{2,4}}$$

$$3908. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

3909. 
$$\neg e_{4,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor t_{e_{1,4}}, e_{2,4} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{e_{1,4}}, e_{2,4}$$

3910. 
$$\neg e_{4,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}}, e_{4,6} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor e_{4,6} \lor \neg t_{e_{4,5}}, e_{4,6}$$

3911. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

3912. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}}$$

3913. 
$$\neg e_{4,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor t_{\neg e_{1,5}}, \neg e_{2,5} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}}, \neg e_{2,5}$$

3914. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$3915. \ \, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \, \neg e_{2,5}}$$

$$3916. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}}$$

3917. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3918. 
$$\neg e_{4,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}}, \neg e_{5,6} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}}, \neg e_{5,6}$$

3919. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3920. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

3921. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

$$3922. \ \, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

3923. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

3924. 
$$\neg e_{4,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}}, e_{5,6} \vdash e_{5,6} \lor t_{e_{1,5}}, \neg e_{2,5} \lor \neg t_{e_{4,5}}, e_{5,6}$$

3925. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3926. 
$$\neg e_{4,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}}, e_{5,6} \vdash e_{5,6} \lor t_{e_{1,5}}, \neg e_{2,5} \lor \neg t_{e_{4,5}}, e_{5,6}$$

3927. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$3928. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_$$

$$3929. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,5}$$

3930. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3931. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

3932. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

3933. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3934. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor e_{4,5}$$

$$3935. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,5}$$

3936. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

3937. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

$$3938. \ e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{4,5}$$

$$3939. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,5}$$

3940. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

3941. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

3942. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

3943. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$3944. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{e_{4,5}, \lnot e_{5,6}} \lor e_{4,5}$$

$$3945. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor t_{\lnot e_{4,6}, \lnot e_{5,6}} \lor$$

3946. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

3947. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

3948. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

3949. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

$$3950. \ e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$3951. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}}$$

3952. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

3953. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

3954. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$3955. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}}$$

3956. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

3957. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

3958. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, e_{2,6}}$$

$$3959. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,6}, e_{2,6}}$$

3960. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$3961. \ \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{5,6}}$$

$$3962. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor$$

$$3963. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, \neg e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{5,6}}$$

$$3964. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{4,5}, e_$$

$$3965. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, \, e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,3}, \, e_{2,3}} \lor t_{e_{4,5}, \, \neg e_{5,6}}$$

$$3966. \ \, \neg e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor t_{e_{4,5},\,\neg e_{5,6}}, e_{4,5}, e_{4,5},$$

$$3967. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, \neg e_{5,6}}$$

$$3968. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{3,5},\, e_{3,6}} \lor t_{e_{4,5},\, \neg e_{5,6}} \lor e_{3,6} \lor e_{3,6$$

$$3969. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{4,5, \neg e_{5,6}} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{2,5}, \neg e_{$$

$$3970. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, \neg e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{4,5,5} \lor \neg e_{$$

$$3971. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{e_{4,5}, \neg e_{5,6}}$$

$$3972. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor$$

$$3973. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$3974. \ \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5}, \, e_{3,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \, e_{3,6}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{3,6} \lor e_{$$

$$3975. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}}$$

$$3976. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{3,5}, \neg e_{3,6}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{4,5, \neg e_{5,6}} \lor e_{4,5, \neg e$$

$$3977. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,5$$

$$3978. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}$$

$$3979. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{$$

$$3980. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$3981. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5},$$

$$3982. \ \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{e$$

$$3983. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor t_{\neg e_{4,5}, \, e_$$

$$3984. \ \, \neg e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}}$$

3985. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3986. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3987. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3988. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_$$

$$3989. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3990. \ \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5},$$

$$3991. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$3992. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{$$

3993. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3994. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3995. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3996. \ \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e$$

$$3997. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3998. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$3999. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4000. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg$$

$$4001. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4002. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$4003. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4004. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4005. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4006. \ \ e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5},\lnot e_{2,5}}, e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{e_{2,5},\lnot e_{2,6}} \vdash e_{1,5} \lor \lnot t_{e_{1,5},\lnot e_{2,5}} \lor \lnot e_{2,6} \lor \lnot t_{e_{2,5},\lnot e_{2,6}} \lor t_{e_{2,5},\lnot e_{2,6}} \lor \lnot t_{e_{2,5},\lnot e_{2,6}} \lor t_{e_{2$$

$$4007. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4008. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$4009. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4010. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4011. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4012. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$4013. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4014. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$4015. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4016. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4017. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_$$

$$4018. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4019. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5$$

$$4020. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4021. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5$$

$$4022. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4023. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5$$

$$4024. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4025. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor \neg e_{2,5}$$

$$4026. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{5,6} \lor \neg e_{2,5}$$

$$4027. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash e_{1,5} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

$$4028. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5}$$

$$4029. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor \neg e_{2,5}$$

$$4030. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \vee t_{e_{1,5}, \neg e_{2,5}} \vee t_{e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \vee t_{e_{4,5}, \neg e_{5,6}} \vee \neg e_{2,5} \vee \neg e_{3,5}$$

4031. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor \neg e_{2,5}$$

$$4032. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor \neg e_{2,5}$$

$$4033. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5}$$

4034. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5}$$

$$4035. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \vee t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \vee \neg e_{5,6} \vee \neg e_{2,5}$$

$$4036. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor t_{e_{4,5}, e_{5,6}} \lor \neg e_{2,5}$$

$$4037. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4038. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4039. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_$$

$$4040. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4041. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_$$

$$4042. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4043. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4044. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4045. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

$$4046. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, e_{1,3}}$$

$$4047. \ \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

4048. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{e_{1,2}}, e_{1,3} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{e_{1,2}}, e_{1,3}$$

4049. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

4050. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{e_{1,2}}, \neg e_{1,3}$$

$$4051. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, \, e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \, e_{1,6}} \lor e_{1,6}$$

4052. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4053. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}}, \neg e_{1,6}$$

4054. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$4055. \ \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

4056. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{1,3}}$$

$$4057. \ \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

4058. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{\neg e_{1,2}}, \neg e_{1,3} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}}, \neg e_{1,3}$$

4059. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4060. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \, \neg e_{1,3}}$$

4061. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4062. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4063. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4064. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4065. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{\neg e_{1,5}}, e_{2,5} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}}, e_{2,5}$$

4066. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4067. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4068. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4069. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4070. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4071. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4072. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4073. \ \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$4074. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4075. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4076. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4077. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

$$4078. \ e_{2,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \, \neg e_{2,3}}$$

$$4079. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor e_{2,6} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4080. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4081. \ e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4082. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4083. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

4084. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4085. \ e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

$$4086. \ e_{2,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,2},\, \neg e_{2,3}}$$

$$4087. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

4088. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

4089. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6}$$

$$4090. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4091. \ \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor e_{2,6} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4092. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4093. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$4094. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$4095. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$4096. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot$$

4097. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4098. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4099. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4100. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4101. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4102. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor$$

$$4103. \ e_{2,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4104. \ \ e_{2,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

4105. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4106. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4107. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4108. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4109. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4110. \ \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,5},$$

$$4111. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4112. \ \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{4,6}} \lor \neg t_{\neg e_{4,6}, \neg e_{4,6}} \lor$$

$$4113. \ \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4114. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4115. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4116. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,$$

$$4117. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg$$

$$4118. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4119. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg$$

$$4120. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,$$

$$4121. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{4,5}, \neg e$$

$$4122. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,$$

$$4123. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, \, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}$$

$$4124. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4125. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}$$

$$4126. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4127. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$4128. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{5,6} \lor \neg e_{4,5}, \neg e_{5,6} \lor \neg e_{4,5}, \neg e_{5,6} \lor \neg e_{5,$$

$$4129. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}$$

$$4130. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor$$

$$4131. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4132. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

4133. 
$$\neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4134. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}$$

$$4135. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4136. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \vee t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee t_{\neg e_{1,5}, \, e_{2,5}}$$

$$4137. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4138. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{3,5} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4139. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4140. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$4141. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e$$

$$4142. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4143. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}},$$

$$4144. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4145. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \vee t_{e_{1,5}, \neg e_{2,5}} \vee t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \vee \neg e_{5,6} \vee e_{3,5} \vee \neg e_{4,5}$$

$$4146. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$4147. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4148. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$4149. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4150. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$4151. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e$$

$$4152. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4153. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee \neg e_{4,5} \vee t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4154. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4155. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$4156. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \lor \neg e_{4,5} \lor \neg$$

$$4157. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$4158. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4159. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \vee \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vee \neg e_{4,5}$$

$$4160. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$4161. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5}$$

$$4162. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4163. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee \neg e_{4,5}$$

$$4164. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4165. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}} \vee \neg e_{4,5}$$

$$4166. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$4167. \ \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$4168. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}} \vee \neg e_{4,5}$$

$$4169. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e$$

4170. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4171. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}}$$

$$4172. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,4}, \lnot e_{2,4}}$$

4173. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

4174. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4175. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6}$$

4176. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

4177. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

4178. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$4179. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e$$

4180. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

$$4181. \ \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{4,6}} \lor \lnot e_{4,6} \lor e_{4,6} \lor \lnot e_{4,6} \lor e_{4,$$

4182. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

$$4183. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5}, e_{4,6}}$$

4184. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, e_{2,4}}$$

$$4185. \ \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot$$

4186. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4187. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{5,6}}$$

4188. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4189. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{5,6}}$$

4190. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4191. \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5},$$

4192. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4193. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{5,6}}$$

4194. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

$$4195. \ \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5$$

4196. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

4197. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

4198. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4199. \ \ e_{4,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor e_{5,6} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, e_{5,6}}$$

4200. 
$$e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4201. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,5}$$

4202. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4203. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4204. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

4205. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4206. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$4207. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,5}$$

4208. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4209. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

4210. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$4211. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,5}$$

4212. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

$$4213. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor \lnot e_{4,5}$$

4214. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4215. 
$$e_{5,6} \lor t_{e_{1.5}, \neg e_{2.5}}, \neg e_{5,6} \lor t_{e_{1.5}, e_{2.5}} \vdash t_{e_{1.5}, \neg e_{2.5}} \lor t_{e_{1.5}, e_{2.5}}$$

$$4216. \ e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5}$$

$$4217. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}}$$

$$4218. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{5,6} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,6}, \lnot e_{2,6}}$$

4219. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4220. \ e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

4221. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

$$4222. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{4,6} \lor \lnot t_{e_{4,6}, \lnot e_{5,6}} \lor e_{4,6} \lor e_{4$$

$$4223. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}}$$

4224. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

$$4225. \ e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6},\, \neg e_{2,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,6},\, \neg e_{2,6}}$$

$$4226. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{4,6} \lor \lnot t_{e_{4,6}, \lnot e_{5,6}} \lor e_{4,6} \lor e_{4$$

4227. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

4228. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$4229. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,6}, \lnot e_{5,6}}$$

4230. 
$$e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, e_{2,6}}$$

- 4231.  $e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, e_{2,6}}$
- $4232. \ e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{4,6} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,6}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{4,6} \lor \lnot t_{e_{4,6}, \lnot e_{5,6}}$
- $4233. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{5,6} \lor e_{5,6}$
- $4234. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$
- $4235. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor e_{3,6} \lor e_{3,6}$
- $4236. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$
- $4237. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor e_{3,6} \lor e_{3,6}$
- $4238. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$
- $4239. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{5,6} \lor e_{5,6}$
- $4240. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$
- $4241. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor e_{3,6} \lor e_{3,6}$
- $4242. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$
- $4243. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{5,6} \lor e_{5,6}$
- $4244. \ e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, \neg e_{2,3}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}$
- $4245. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$
- $4246. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{1,3}, e_{2,3}}$
- $4247. \ e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor e_{3,6} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{3,5}, e_{3,6}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor e_{3,6} \lor e_{3,6}$
- $4248. \ e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,3}, e_{2,3}}$
- $4249. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$
- $4250. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{4,5}, e_{5,$
- $4251. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, e_{5,6}} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, e_{5,6}} \lor t_{\lnot e_{4$
- $4252. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot$
- $4253. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, e_{5,6}} \lor t_{\lnot e_{4,5$
- $4254. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor$
- $4255. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}$
- $4256. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_$
- $4257. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$

$$4258. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{$$

$$4259. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \, e_{1,3}} \vdash t_{e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4260. \ \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5},$$

$$4261. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4262. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg e_$$

$$4263. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4264. \ \ e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5},\lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5},\lnot e_{1,6}} \vdash \lnot e_{1,6} \lor \lnot t_{\lnot e_{1,5},\lnot e_{1,6}} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5},\lnot e_{2,5}}$$

$$4265. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4266. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg$$

$$4267. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \, e_{1,3}} \vdash t_{\neg e_{1,2}, \, e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4268. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4269. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4270. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \neg e_{1,6}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{$$

$$4271. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4272. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor e_{1,6} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor$$

$$4273. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4274. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$4275. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4276. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4277. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4278. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4279. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4280. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$4281. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4282. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4283. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4284. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

$$4285. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4286. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{2,5}, e_{2,6}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor e_{2,6}$$

4287. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4288. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \lor \neg e_{2,6} \lor \neg e$$

$$4289. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5$$

4290. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4291. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5$$

$$4292. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4293. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5$$

$$4294. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4295. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor \neg e_{2,5} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{1,5$$

$$4296. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4297. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor \neg e_{2,5}$$

$$4298. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{5,6} \lor \neg e_{2,5}$$

$$4299. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash e_{1,5} \lor t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

$$4300. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5}$$

4301. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor \neg e_{2,5}$$

$$4302. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \lor t_{e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5} \lor \neg e_{3,5}$$

$$4303. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor \neg e_{2,5}$$

4304. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor \neg e_{2,5}$$

$$4305. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{2,5}$$

$$4306. \ \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \lor \neg e_{2,5} \lor \neg e_{4,5}$$

$$4307. \ e_{1,5} \vee \neg e_{2,5} \vee \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{5,6} \vee t_{e_{1,5}, \neg e_{2,5}} \vdash e_{1,5} \vee \neg e_{5,6} \vee \neg e_{2,5}$$

$$4308. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor t_{e_{4,5}, e_{5,6}} \lor \neg e_{2,5}$$

$$4309. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_$$

$$4310. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4311. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_$$

$$4312. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4313. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_$$

4314. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4315. 
$$e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4316. \ e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4317. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

4318. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{e_{1,2}}, e_{1,3} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{e_{1,2}}, e_{1,3}$$

4319. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

4320. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{1,3}}$$

$$4321. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}}$$

4322. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

4323. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

4324. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4325. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \, \neg e_{1,6}}$$

4326. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{\neg e_{1,2}}, e_{1,3} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}}, e_{1,3}$$

4327. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

4328. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor t_{\neg e_{1,2}}, e_{1,3} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}}, e_{1,3}$$

4329. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{1,6}} \lor e_{1,6}$$

4330. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4331. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

4332. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

4333. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4334. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4335. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4336. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4337. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4338. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4339. 
$$\neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4340. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,5},\, e_{2,5}}$$

$$4341. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4342. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4343. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4344. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\, \neg e_{2,5}}$$

$$4345. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

4346. 
$$\neg e_{1,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}}, e_{2,5} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor \neg t_{e_{1,5}}, e_{2,5} \lor e_{2,5}$$

$$4347. \ \, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$4348. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4349. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

4350. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4351. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor e_{2,6} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \lor e_{2,6} \lor e$$

4352. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, \neg e_{2,3}}$$

$$4353. \ e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4354. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4355. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6}$$

$$4356. \ e_{2,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, e_{2,3}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{\neg e_{1,2},\, e_{2,3}}$$

$$4357. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor e_{2,6} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, e_{2,6}} \lor e_{2,6} \lor e$$

4358. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, \neg e_{2,3}}$$

$$4359. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

$$4360. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor t_{e_{1,2}, \lnot e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,2}, \lnot e_{2,3}}$$

$$4361. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor \lnot e_{2,6} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{2,5}, \lnot e_{2,6}} \lor \lnot e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor e_{2,6} \lor \lnot e_{2,6} \lor e_{$$

4362. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4363. \ e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4364. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,2}, e_{2,3}}$$

$$4365. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$4366. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$4367. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

$$4368. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot e_{1,5} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}}$$

4369. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4370. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, \lnot e_{2,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, e_{2,5}}$$

4371. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4372. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4373. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}}$$

$$4374. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor$$

$$4375. \ e_{2,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{1,5} \lor \neg t_{e_{1,5}, \, \neg e_{2,5}}$$

$$4376. \ e_{2,5} \lor t_{e_{1,5}, \lnot e_{2,5}}, e_{1,5} \lor \lnot e_{2,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor \lnot t_{e_{1,5}, \lnot e_{2,5}} \lor e_{1,5} \lor$$

$$4377. \ e_{2,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,5}, \, e_{2,5}}$$

4378. 
$$e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4379. \ e_{2,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,5}, \, e_{2,5}}$$

$$4380. \ e_{2,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,5}, \, e_{2,5}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,5}, \, e_{2,5}}$$

$$4381. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5},\,\lnot e_{4,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},\,\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\,e_{5,6}} \lor \lnot e_{4,6} \lor e_{4,6}$$

$$4382. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$4383. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e$$

$$4384. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4},\, \lnot e_{2,4}} \vdash e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}} \lor t_{\lnot e_{1,4},\, \lnot e_{2,4}}$$

$$4385. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e$$

$$4386. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$4387. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg$$

$$4388. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$4389. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e$$

$$4390. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{e_{1,4},\, \lnot e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4},\, \lnot e_{2,4}} \lor \lnot t_{e_{4,5},\, e_{5,6}}$$

$$4391. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5},\,\lnot e_{4,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},\,\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\,e_{5,6}} \lor \lnot e_{4,6} \lor e_{4,6}$$

$$4392. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

$$4393. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg$$

$$4394. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

$$4395. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \lor \neg t_{\neg e_{4,5},\,$$

$$4396. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4},\, e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4},\, e_{2,4}} \lor \neg t_{e_{4,5},\, e_{5,6}}$$

$$4397. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}$$

4398. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor e_{4,5}$$

$$4399. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{4,5} \lor \neg e_{3,5}$$

$$4400. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_$$

$$4401. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{4,5}$$

$$4402. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

4403. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4404. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_$$

$$4405. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$4406. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4407. \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5},\,e_{2,5}} \vdash e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}} \lor t_{\lnot e_{1,5},\,e_{2,5}}$$

4408. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4409. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4410. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4411. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_$$

$$4412. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4413. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4414. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{e_{1,5},\, \lnot e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5},\, \lnot e_{2,5}} \lor \lnot t_{e_{4,5},\, e_{5,6}}$$

$$4415. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{e_{1,5},\, \lnot e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5},\, \lnot e_{2,5}} \lor \lnot t_{e_{4,5},\, e_{5,6}}$$

$$4416. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

4417. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor e_{3,5} \lor e_{4,5}$$

4418. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

4419. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$4420. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{4,5} \lor \neg e_{3,5}$$

$$4421. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{e$$

$$4422. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4423. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

4424. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$4425. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg$$

$$4426. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{5,6} \lor t_{\lnot e_{1,6},\, \lnot e_{2,6}} \vdash \lnot t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor t_{\lnot e_{1,6},\, \lnot e_{2,6}}$$

4427. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4428. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

$$4429. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4430. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

$$4431. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg$$

$$4432. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

4433. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$4434. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}}$$

$$4435. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{4$$

4436. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$4437. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor \neg e_{$$

$$4438. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6},\,e_{2,6}}$$

4439. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, e_{2,6}}$$

$$4440. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

4441. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4442. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

$$4443. \ \, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{\neg e_{1,4}, \, \neg e_{2,4}}$$

$$4444. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

4445. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4446. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

4447. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4448. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}}$$

4449. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4450. 
$$\neg e_{4,5} \lor t_{e_{1.5}, \neg e_{2.5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4.5}, \neg e_{4.6}} \vdash t_{e_{1.5}, \neg e_{2.5}} \lor \neg e_{4,6} \lor \neg t_{e_{4.5}, \neg e_{4.6}}$$

4451. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,4}, \neg e_{2,4}}$$

4452. 
$$\neg e_{4,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}}$$

4453. 
$$\neg e_{4,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor t_{e_{1,4}}, e_{2,4} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor t_{e_{1,4}}, e_{2,4}$$

$$4454. \ \, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}}$$

$$4455. \ \, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \, e_{2,4}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{1,4}, \, e_{2,4}}$$

$$4456. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\, \neg e_{4,6}}$$

$$4457. \ \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

4458. 
$$\neg e_{4,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}}, e_{5,6} \vdash e_{5,6} \lor t_{e_{1,5}}, \neg e_{2,5} \lor \neg t_{e_{4,5}}, e_{5,6}$$

4459. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4460. \ \, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

4461. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4462. \ \, \neg e_{4,5} \lor t_{e_{1,5}, \, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}}$$

4463. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4464. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

4465. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

$$4466. \ \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

4467. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

$$4468. \ \, \neg e_{4,5} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{4,5},\, e_{5,6}}$$

4469. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4470. 
$$\neg e_{4,5} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}}, e_{5,6} \vdash e_{5,6} \lor t_{e_{1,5}}, \neg e_{2,5} \lor \neg t_{e_{4,5}}, e_{5,6}$$

4471. 
$$\neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4472. \ \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}}$$

4473. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4474. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5}$$

$$4475. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{5,6}} \lor \neg e_{4,5}$$

4476. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4477. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,5}$$

4478. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4479. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4480. 
$$\neg e_{5,6} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}}, e_{5,6} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor \neg t_{e_{4,5}}, e_{5,6} \lor e_{4,5}$$

4481. 
$$\neg e_{5,6} \lor t_{e_{1,5}}, \neg e_{2,5}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg e_{4,5}$$

4482. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

4483. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}}$$

$$4484. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5}$$

$$4485. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4486. \ \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5}$$

$$4487. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor \neg e_{4,5}$$

4488. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4489. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

4490. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6}, e_{5,6}}$$

$$4491. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6}$$

4492. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4493. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6}$$

4494. 
$$\neg e_{5,6} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

4495. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,6}, e_{2,6}}$$

4496. 
$$\neg e_{5,6} \lor t_{e_{1,5}}, \neg e_{2,5}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}}, e_{5,6} \vdash t_{e_{1,5}}, \neg e_{2,5} \lor e_{4,6} \lor \neg t_{e_{4,6}}, e_{5,6}$$

$$4497. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6}$$

4498. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

4499. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, \neg e_{2,6}}$$

4500. 
$$\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6}, e_{5,6}}$$

- 4501.  $\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, e_{2,6}}$
- $4502. \ \, \neg e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor e_{4,6} \lor \neg t_{e_{4,6},\, e_{5,6}}$
- $4503. \ \, \neg e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}}, \, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \vdash t_{e_{1,5}, \, \neg e_{2,5}} \lor \neg t_{\neg e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6}$
- 4504.  $\neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,6}, e_{2,6}}$
- $4505. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{e_{4,5}, e_{5,6$
- $4506. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,5}, e_{5,6}}$
- $4507. \ \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5}, e_{5,6}} \lor e_{3,6} \lor t_{e_{4,5}, e_{5,6}} \lor e_{3,6} \lor t_{e_{4,5}, e_{5,6}} \lor e_{3,6} \lor e_{3,6}$
- $4508. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,3}, \, \lnot e_{2,3}} \vdash t_{e_{1,5}, \, \lnot e_{2,5}} \lor t_{\lnot e_{1,3}, \, \lnot e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}}$
- $4509. \ \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5}, e_{5,6}} \lor e_{3,6} \lor e$
- $4510. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{5,6}}$
- $4511. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{e_{4$
- $4512. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{5,6}}$
- $4513. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5}, e_{5,6}} \lor e_{3,6} \lor e_{$
- $4514. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,3}, \lnot e_{2,3}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,3}, \lnot e_{2,3}} \lor t_{e_{4,5}, e_{5,6}}$
- $4515. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{e_{4$
- $4516. \ \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,3}, \, \lnot e_{2,3}} \vdash t_{e_{1,5}, \, \lnot e_{2,5}} \lor t_{e_{1,3}, \, \lnot e_{2,3}} \lor t_{e_{4,5}, \, e_{5,6}}$
- $4517. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor \lnot e_{3,6} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \vdash \lnot e_{3,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor \lnot t_{\lnot e_{3,5}, \lnot e_{3,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{e_{4,5}, e_{5,6$
- 4518.  $e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{5,6}}$
- $4519. \ \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor e_{3,6} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor \lnot t_{\lnot e_{3,5}, e_{3,6}} \lor e_{3,6} \lor t_{e_{4,5}, e_{5,6}} \lor e_{3,6} \lor e$
- $4520. \ e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,3}, e_{2,3}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,3}, e_{2,3}} \lor t_{e_{4,5}, e_{5,6}}$
- $4521. \ \ e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{4,5}, e_{$
- $4522. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor e_{3,5} \lor e_{4,5}$
- $4523. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$
- $4524. \ e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,$
- $4525. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{\lnot e_{1,5}, e_{2,5}} \lor t_{\lnot e_{1,5}, e_{2,5}}$
- $4526. \ \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor e_{3,5} \lor e_{4,5}$
- $4527. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{\lnot e_{4,5}, e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{e$

$$4528. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, \lnot e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_{e$$

$$4529. \ \ e_{3,5} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \, \neg e_{2,5}} \lor e_{3,5} \lor e_{4,5}$$

$$4530. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\lnot e_{4,5}, \lnot e_{5,6}} \lor t_{e_{4,5}, e_{5,6}} \lor t_$$

$$4531. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor e_{3,5} \lor e_{4,5}$$

$$4532. \ e_{3,5} \lor t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}, \lnot e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}} \vdash t_{e_{1,5}, \lnot e_{2,5}} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, e_{5,6}}$$

$$4533. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4534. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,6} \lor \neg$$

$$4535. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

$$4536. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

4537. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4538. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, e_{1,6}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$4539. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$4540. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,6} \lor \neg e$$

$$4541. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4542. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$4543. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4544. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, \neg e_{1,6}}$$

$$4545. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}}$$

$$4546. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,6} \lor \neg$$

$$4547. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{1,3}}$$

$$4548. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$4549. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5},\, \neg e_{2,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor \neg e_{2,6} \lor \neg e_{2,6}$$

$$4550. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$4551. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \lor e_{2,6}$$

$$4552. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}$$

$$4553. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{2,5}, \, e_{2,6}} \lor e_{2,6} \lor e_{$$

$$4554. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

$$4555. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg$$

$$4556. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

$$4557. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \lor e_{2,6}$$

$$4558. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2},\, \neg e_{2,3}} \lor \neg t_{e_{1,5},\, e_{2,5}}$$

$$4559. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg$$

4560. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, \neg e_{2,3}} \lor \neg t_{e_{1,5}, e_{2,5}}$$

$$4561. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg$$

4562. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, e_{2,5}}$$

$$4563. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \lor e_{2,6} \lor e$$

$$4564. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\,e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2},\,e_{2,3}} \lor \neg t_{e_{1,5},\,e_{2,5}}$$

$$4565. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$4566. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$4567. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{\neg e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

$$4568. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$4569. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$4570. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$4571. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{\neg e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

4572. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4573. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_$$

$$4574. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4575. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_$$

$$4576. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4577. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_$$

$$4578. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4579. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_$$

$$4580. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

4581. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor e_{2,5}$$

4582. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor e_{2,5}$$

$$4583. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \vdash e_{1,5} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor e_{2,5} \lor \neg e_{3,5}$$

4584. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{2,5} \lor \neg e_{4,5}$$

4585. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg e_{5,6} \lor e_{2,5}$$

$$4586. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, e_{5,6}} \vdash e_{1,5} \lor e_{2,5} \lor t_{e_{4,5}, \, e_{5,6}} \lor \neg e_{3,5}$$

4587. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor e_{2,5}$$

4588. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg e_{5,6} \lor e_{2,5}$$

4589. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor e_{2,5} \lor t_{\neg e_{4,5}, e_{5,6}}$$

4590. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{2,5} \lor \neg e_{4,5}$$

4591. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor e_{2,5}$$

$$4592. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{e_{4,5}, \neg e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor t_{e_{4,5}, \neg e_{5,6}} \lor e_{2,5}$$

4593. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

4594. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4595. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

4596. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4597. \ \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

$$4598. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{2,5}}$$

$$4599. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{1,6}$$

4600. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4601. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

$$4602. \ \, \neg e_{1,5} \lor t_{e_{1,5},\, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor t_{e_{1,5},\, e_{2,5}}$$

$$4603. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{1,6}$$

4604. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4605. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

$$4606. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash t_{\neg e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{2,5}}$$

4607. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

4608. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4609. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4610. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4611. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4612. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4613. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{1,5},\,e_{2,5}}$$

4614. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4615. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4616. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4617. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}}$$

$$4618. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg e_{2,5} \lor \neg$$

4619. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4620. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4621. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4622. 
$$\neg e_{2,5} \lor t_{e_{1.5}, e_{2.5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2.5}, e_{2.6}} \vdash t_{e_{1.5}, e_{2.5}} \lor \neg t_{e_{2.5}, e_{2.6}} \lor e_{2,6}$$

4623. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4624. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}}$$

4625. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4626. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

4627. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4628. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4629. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4630. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}}$$

4631. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4632. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4633. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4634. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor e_{2,6}$$

4635. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4636. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}}$$

4637. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4638. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4639. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4640. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4641. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}}$$

$$4642. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}}$$

$$4643. \ \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}}$$

$$4644. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}}$$

4645. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4646. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4647. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4648. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4649. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4650. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{e_{4,5}, \, e_{4,6}} \lor \neg t_{e_{4,6}, \,$$

$$4651. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4652. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4653. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4654. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4655. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,4}, e_{2,4}}$$

$$4656. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,$$

$$4657. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg$$

$$4658. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4659. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg$$

$$4660. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{e_{4,5}, e_{4,6}} \lor \neg t_{e_{4,$$

$$4661. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{4,5}, \neg e$$

$$4662. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg t_{e_{4,5},\, e_{4,6}} \lor \neg t_{e_{4,$$

$$4663. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash \neg e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$4664. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5}, \neg e_{4,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4665. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}$$

$$4666. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4667. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$4668. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{5,6} \lor \neg e_{4,5}, \neg e_{5,6} \lor \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{5,6} \lor \neg e_{4,5} \lor \neg e_{4,5}, \neg e_{5,6} \lor \neg e_{4,5} \lor$$

$$4669. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor v_{\neg e_{5,6}, \neg e_{5,6}} \lor v_{\neg e_{5,6}} \lor v_{\neg e_{5,6}, \neg e_{5,6}} \lor v_{\neg e_{5,6}, \neg e_{5,6}} \lor v_{\neg e_{5,6}, \neg e_{5,6}} \lor v_{\neg e_{5,6}} \lor v_{\neg e_{5,6}, \neg e_{5,6}}$$

$$4670. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5},\, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor$$

$$4671. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4672. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}, \neg e_{5,6} \lor \neg e_{5,6}$$

$$4673. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \vee t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vee t_{\neg e_{1,5}, \, e_{2,5}}$$

$$4674. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e$$

$$4675. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4676. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4677. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4678. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor e_{3,5} \lor \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}} \lor t_{\neg e_{3,5}} \lor t_{\neg e_{3,5$$

$$4679. \ \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4680. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg$$

$$4681. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e$$

$$4682. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4683. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg$$

$$4684. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4685. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5}, \neg e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg e_{5,6} \lor e_{3,5} \lor \neg e_{4,5}$$

$$4686. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor e_{4,5}$$

$$4687. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4688. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg e_{3,5} \lor \neg e_{4,5}$$

$$4689. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash \neg t_{\neg e_{4,5}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

4690. 
$$\neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

$$4691. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \vdash \neg e_{5,6} \lor \neg t_{e_{4,5}, \, \neg e_{5,6}} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}$$

$$4692. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4693. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee \neg e_{4,5} \vee t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4694. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4695. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$4696. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor t_{\neg e_{1,6}, \neg e_{2,6}}$$

$$4697. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$4698. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4699. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{\neg e_{1,6}, \, e_{2,6}} \vdash t_{\neg e_{1,6}, \, e_{2,6}} \vee \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \vee \neg e_{4,5}$$

$$4700. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6},\, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6},\, e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6$$

$$4701. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$4702. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5}$$

$$4703. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee \neg e_{4,5}$$

$$4704. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, \, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, \, e_{5,6}} \lor \neg e_{4,6} \lor \neg e_$$

$$4705. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor t_{e_{1,6}, e_{2,6}} \lor \neg e_{4,5}$$

$$4706. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{4,6} \lor e_{5,6} \lor \neg t_{e_{4,6}, e_{5,6}} \vdash e_{4,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,5} \lor \neg t_{e_{4,6}, e_{5,6}} \lor \neg e_{4,6} \lor$$

$$4707. \ \, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}, \neg e_{4,6} \lor e_{5,6} \lor \neg t_{\neg e_{4,6}, e_{5,6}} \vdash \neg t_{\neg e_{4,6}, e_{5,6}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,5} \lor \neg e_{4,6} \lor \neg e_$$

$$4708. \ \, \neg e_{4,5} \vee \neg e_{5,6} \vee \neg t_{\neg e_{4,5}, \neg e_{5,6}}, e_{5,6} \vee t_{e_{1,6}, e_{2,6}} \vdash \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}} \vee \neg e_{4,5}$$

$$4709. \ e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg e_{4,6}$$

4710. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4711. \ e_{4,5} \lor t_{e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{4,5},\, e_{4,6}}$$

4712. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

4713. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

4714. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4715. \ \ e_{4,5} \lor t_{e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,6}$$

$$4716. \ e_{4,5} \lor t_{e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\, e_{2,4}} \vdash t_{\neg e_{1,4},\, e_{2,4}} \lor t_{e_{1,5},\, e_{2,5}}$$

4717. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, e_{4,6}}$$

4718. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4719. \ \ e_{4,5} \lor t_{e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\, \neg e_{4,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg e_{4,6}$$

4720. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4721. \ e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg e_{4,6}$$

4722. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4723. \ e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,5}, \, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \, e_{4,6}}$$

4724. 
$$e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{2,5}}$$

$$4725. \ e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \lor \neg$$

4726. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4727. \ e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor t_{e_{1,5},\,e_{2,5}}$$

4728. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, \neg e_{2,5}}$$

$$4729. \ e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{e_{1,5}, \, e_{2,5}}$$

$$4730. \ e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

4731. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{\neg e_{4,5}, \neg e_{5,6}}$$

4732. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

4733. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, e_{5,6}} \lor t_{e_{1,5}, e_{2,5}}$$

4734. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4735. \ e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \lor \neg$$

4736. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4737. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor e_{2,5}$$

$$4738. \ e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash \neg e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \lor \neg$$

4739. 
$$e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor e_{2,5}$$

4740. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}}$$

4741. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor e_{2,5}$$

$$4742. \ e_{4,5} \lor t_{e_{1,5}, \, e_{2,5}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5}, \, e_{5,6}} \lor t_{e_{1,5}, \, e_{2,5}}$$

4743. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor e_{2,5}$$

4744. 
$$e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}}$$

$$4745. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \lor \neg e_{4,5}$$

4746. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4747. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4748. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,5}, e_{2,5}}$$

4749. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4750. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}$$

$$4751. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \lor \neg e_{4,5}$$

4752. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4753. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4754. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,5}, e_{2,5}}$$

$$4755. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \lor \neg e_{4,5}$$

$$4756. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,5},\,e_{2,5}}$$

4757. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor e_{2,5}$$

$$4758. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,5} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{4,5},\,\neg e_{5,6}} \lor \neg e_{4,5}$$

4759. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor e_{2,5}$$

4760. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}}$$

4761. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor e_{2,5}$$

4762. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}}$$

4763. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor e_{2,5}$$

$$4764. \ e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5}, \neg e_{5,6}} \vdash \neg t_{e_{4,5}, \neg e_{5,6}} \lor e_{4,5} \lor t_{e_{1,5}, e_{2,5}}$$

$$4765. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}}$$

4766. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, \neg e_{2,6}} \vdash t_{\neg e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4767. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash t_{\neg e_{1,6},\,\neg e_{2,6}} \lor t_{e_{1,5},\,e_{2,5}}$$

4768. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

4769. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}$$

4770. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6}, \neg e_{5,6}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,6}, \neg e_{5,6}}$$

4771. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6}, \neg e_{5,6}}$$

4772. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{\neg e_{1,6}, e_{2,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}$$

4773. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4774. \ e_{5,6} \lor t_{e_{1,5},\, e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\, \neg e_{5,6}} \vdash e_{4,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,6},\, \neg e_{5,6}}$$

$$4775. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg$$

4776. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash t_{e_{1,6}, \neg e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4777. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}}$$

4778. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}$$

4779. 
$$e_{5,6} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash t_{e_{1,6}, e_{2,6}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4780. \ e_{5,6} \lor t_{e_{1,5},\,e_{2,5}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{4,6},\,\neg e_{5,6}}$$

$$4781. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}$$

$$4782. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\, e_{3,6}} \vdash \neg t_{e_{3,5},\, e_{3,6}} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor e_{3,6} \lor e_{3,6$$

$$4783. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \vdash t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,3},\,\neg e_{2,3}} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_$$

$$4784. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{4,5} \lor \neg e_{4,5}, e_{4,5} \lor \neg e_{4,5} \lor \neg$$

$$4785. \ \, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{3,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{3,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{3,5},\,e_{2,5}} \lor t_{\neg e_{3,5},\,e_{2,5}} \lor t_{\neg e_{3,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{3,5},\,e_{2,5}} \lor t_{\neg e_{3,5},\,e_{3,5}} \lor t_{\neg e_{3,5},\,e_{3,5$$

$$4786. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor e_{3,6} \lor \neg e_{3,6} \lor e_{3,5} \lor \neg e_{3,6} \lor e_{3,6} \lor \neg e_{3,6} \lor e_{3,6} \lor e_{3,6} \lor \neg e_{3,6} \lor e_{3,6} \lor \neg e_{3,6} \lor e_{3,6} \lor e_{3,6} \lor \neg e_{3,6} \lor e_{3,6}$$

$$4787. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\,e_{2,3}} \vdash t_{\neg e_{1,3},\,e_{2,3}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,3},\,e_{2,3}} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,5},\,e_{2,5$$

$$4788. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{3,6} \lor e_{3,$$

$$4789. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3},\, \neg e_{2,3}} \vdash t_{e_{1,3},\, \neg e_{2,3}} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{3,5}$$

$$4790. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{3,5},\,\neg e_{3,6}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}$$

$$4791. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3},\,\neg e_{2,3}} \vdash t_{e_{1,3},\,\neg e_{2,3}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{4,5},\,\neg e_{5$$

$$4792. \ \, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{3,6} \lor e_$$

$$4793. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3},\, e_{2,3}} \vdash t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{e_{1,3},\, e_{2,3}}$$

$$4794. \ \, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor e_{3,6} \lor \neg t_{e_{3,5},\,e_{3,6}} \vdash \neg t_{e_{3,5},\,e_{3,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{3,6} \lor e_$$

$$4795. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{e_{1,3},\,e_{2,3}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{e_{1,3},\,e_{2,3}}$$

$$4796. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor \neg e_{3,6} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \vdash \neg e_{3,6} \lor t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{3,5},\, \neg e_{3,6}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}$$

$$4797. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{\neg e_{4,5},\,e_{5,6}} \lor t_{\neg e_{4,5$$

$$4798. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{\neg e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{e_{4,5},\,\neg e_{5,6}}, e_{4,5}, e_{$$

$$4799. \ \, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,$$

$$4800. \ \, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{\neg e_$$

$$4801. \ \, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}$$

$$4802. \ \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor t_{e_{4,5},\, e_{5,6}} \lor t_{e_{4,5},$$

$$4803. \ \, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{2,5} \lor \neg e_{3,5}$$

$$4804. \ \, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{2,5} \lor \neg e_{3,5}$$

$$4805. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{2,5} \lor \neg e_{3,5}$$

$$4806. \ \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{\neg e_{4,5},\,e_{5,6}} \lor t_{\neg e_{4,5},\,e_{$$

$$4807. \ \, \neg e_{3,5} \lor t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{4,5},\, \neg e_{5,6}}, e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \lor t_{\neg e_{4,5},\, \neg e_{5,6}} \lor e_{2,5} \lor \neg e_{3,5}$$

$$4808. \ \, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,\neg e_{5,6}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor t_{$$

$$4809. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, e_{1,3}} \vdash t_{e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4810. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,6} \lor \neg e$$

$$4811. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\,e_{1,3}} \vdash t_{e_{1,2},\,e_{1,3}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

$$4812. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$4813. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2},\, \neg e_{1,3}} \vdash \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2},\, \neg e_{1,3}}$$

$$4814. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5}, \, e_{1,6}} \vdash \neg t_{\neg e_{1,5}, \, e_{1,6}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

4815. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5} \lor t_{e_{1,2}, \neg e_{1,3}}$$

$$4816. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,6} \lor \neg$$

4817. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$4818. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\,e_{1,6}} \vdash \neg t_{\neg e_{1,5},\,e_{1,6}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$4819. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\, e_{1,3}} \vdash t_{\neg e_{1,2},\, e_{1,3}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4820. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,6} \lor \neg$$

$$4821. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$4822. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor \neg e_{1,6} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,\neg e_{1,6}} \lor \neg e_{1,6} \lor \neg e$$

$$4823. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}} \vdash \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5} \lor t_{\neg e_{1,2},\,\neg e_{1,3}}$$

$$4824. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{1,6} \lor \neg t_{\neg e_{1,5},\, e_{1,6}} \vdash \neg t_{\neg e_{1,5},\, e_{1,6}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5} \lor e_{1,6}$$

$$4825. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg$$

$$4826. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\,\neg e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,2},\,\neg e_{2,3}}$$

$$4827. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6}$$

$$4828. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\, \neg e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor t_{\neg e_{1,2},\, \neg e_{2,3}}$$

$$4829. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \lor e_{2,6} \lor e$$

4830. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,2}, e_{2,3}}$$

$$4831. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg e$$

$$4832. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,2},\,e_{2,3}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,2},\,e_{2,3}}$$

$$4833. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{\neg e_{2,5},\,e_{2,6}} \lor e_{2,6} \lor e$$

$$4834. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\,\neg e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2},\,\neg e_{2,3}} \lor \neg t_{e_{1,5},\,e_{2,5}}$$

$$4835. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5}, \neg e_{2,6}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor \neg e$$

$$4836. \ \ e_{1,5} \lor e_{2,5} \lor \lnot t_{e_{1,5},\, e_{2,5}}, \lnot e_{2,5} \lor t_{e_{1,2},\, \lnot e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2},\, \lnot e_{2,3}} \lor \lnot t_{e_{1,5},\, e_{2,5}}$$

$$4837. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor \neg e_{2,6} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \vdash e_{1,5} \lor \neg t_{\neg e_{2,5},\,\neg e_{2,6}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg e$$

4838. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2}, e_{2,3}} \lor \neg t_{e_{1,5}, e_{2,5}}$$

$$4839. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor e_{2,6} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor \neg t_{\neg e_{2,5},\, e_{2,6}} \lor e_{2,6} \lor e_{2,6}$$

$$4840. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{2,5} \lor t_{e_{1,2},\, e_{2,3}} \vdash e_{1,5} \lor t_{e_{1,2},\, e_{2,3}} \lor \neg t_{e_{1,5},\, e_{2,5}}$$

$$4841. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{\neg e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

4842. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5}, e_{2,5}} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4843. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$4844. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$4845. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, \, e_{2,5}} \vdash \neg t_{\neg e_{1,5}, \, e_{2,5}} \lor \neg t_{e_{1,5}, \, e_{2,5}} \lor e_{2,5}$$

$$4846. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$4847. \ \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\, e_{2,5}} \vdash \neg t_{\neg e_{1,5},\, e_{2,5}} \lor \neg t_{e_{1,5},\, e_{2,5}} \lor e_{2,5}$$

$$4848. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{2,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$4849. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_$$

$$4850. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

$$4851. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_$$

$$4852. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

$$4853. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_$$

4854. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor \neg t_{e_{1,5}, e_{2,5}} \lor e_{2,5}$$

$$4855. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{1,5} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_$$

$$4856. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{1,5},\,e_{2,5}} \lor e_{2,5}$$

4857. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor e_{2,5}$$

4858. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor e_{2,5}$$

$$4859. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \vdash e_{1,5} \lor t_{\neg e_{4,5},\,\neg e_{5,6}} \lor e_{2,5} \lor \neg e_{3,5} \lor e_{2,5} \lor e_{2,5} \lor \neg e_{3,5} \lor e_{2,5} \lor$$

$$4860. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \lor e_{2,5} \lor \neg e_{4,5}$$

4861. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \vdash e_{1,5} \lor \neg e_{5,6} \lor e_{2,5}$$

$$4862. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{1,5} \lor e_{2,5} \lor t_{e_{4,5},\,e_{5,6}} \lor \neg e_{3,5}$$

4863. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{4,5} \lor e_{2,5}$$

4864. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor \neg e_{5,6} \lor e_{2,5}$$

$$4865. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5},\,e_{2,5}}, e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor e_{2,5} \lor t_{\neg e_{4,5},\,e_{5,6}}$$

4866. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{1,5} \lor e_{2,5} \lor \neg e_{4,5}$$

4867. 
$$e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, e_{2,5}}, e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor e_{1,5} \lor e_{2,5}$$

$$4868. \ e_{1,5} \lor e_{2,5} \lor \neg t_{e_{1,5}, \, e_{2,5}}, e_{3,5} \lor t_{e_{1,5}, \, e_{2,5}} \lor t_{e_{4,5}, \, \neg e_{5,6}} \vdash e_{1,5} \lor e_{3,5} \lor t_{e_{4,5}, \, \neg e_{5,6}} \lor e_{2,5}$$

$$4869. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5},\,e_{1,6}} \vdash \neg t_{e_{1,5},\,e_{1,6}} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{1,6}$$

4870. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4871. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

4872. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, e_{1,3}} \vdash t_{e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4873. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5},\,\neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{1,5},\,\neg e_{1,6}}$$

4874. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{e_{1,2}, \neg e_{1,3}} \vdash t_{e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4875. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

$$4876. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor t_{e_{1,2},\,\neg e_{1,3}} \vdash t_{e_{1,2},\,\neg e_{1,3}} \lor t_{e_{1,5},\,e_{2,5}}$$

$$4877. \ \neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

4878. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, e_{1,3}} \vdash t_{\neg e_{1,2}, e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4879. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

$$4880. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2},\,e_{1,3}} \vdash t_{\neg e_{1,2},\,e_{1,3}} \lor t_{e_{1,5},\,e_{2,5}}$$

481. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor e_{1,6} \lor \neg t_{e_{1,5}, e_{1,6}} \vdash \neg t_{e_{1,5}, e_{1,6}} \lor t_{e_{1,5}, e_{2,5}} \lor e_{1,6}$$

4882. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

483. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg e_{1,6} \lor \neg t_{e_{1,5}, \neg e_{1,6}} \vdash \neg e_{1,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{1,5}, \neg e_{1,6}}$$

4884. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,2}, \neg e_{1,3}} \vdash t_{\neg e_{1,2}, \neg e_{1,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4885. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4886. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4887. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4888. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4889. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4890. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4891. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4892. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash t_{\neg e_{1,5}, e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4893. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

$$4894. \ \, \neg e_{1,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5},\,\neg e_{2,5}}$$

4895. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4896. 
$$\neg e_{1,5} \lor t_{e_{1,5}, e_{2,5}}, e_{1,5} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,5} \lor \neg t_{e_{1,5}, \neg e_{2,5}}$$

4897. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4898. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4899. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, \neg e_{2,3}} \vdash t_{\neg e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4900. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}}$$

4901. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4902. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

4903. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,2}, e_{2,3}} \vdash t_{\neg e_{1,2}, e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4904. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor e_{2,6}$$

4905. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4906. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5}, \neg e_{2,6}}$$

4907. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, \neg e_{2,3}} \vdash t_{e_{1,2}, \neg e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4908. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5}, e_{2,6}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{2,5}, e_{2,6}} \lor e_{2,6}$$

4909. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

4910. 
$$\neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{2,5} \lor e_{2,6} \lor \neg t_{e_{2,5},\,e_{2,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{2,5},\,e_{2,6}} \lor e_{2,6}$$

4911. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,2}, e_{2,3}} \vdash t_{e_{1,2}, e_{2,3}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4912. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{2,5} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{2,6} \lor \neg t_{e_{2,5},\,\neg e_{2,6}}$$

4913. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4914. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4915. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4916. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{\neg e_{1,5}, \neg e_{2,5}} \vdash t_{\neg e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4917. \ \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}}$$

$$4918. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}}$$

$$4919. \ \neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}} \vdash t_{e_{1,5}, e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5}, e_{2,5}}$$

$$4920. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, \neg e_{1,5} \lor e_{2,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{1,5} \lor \neg t_{\neg e_{1,5},\,e_{2,5}}$$

4921. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4922. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

4923. 
$$\neg e_{2,5} \lor t_{e_{1,5}, e_{2,5}}, e_{2,5} \lor t_{e_{1,5}, \neg e_{2,5}} \vdash t_{e_{1,5}, \neg e_{2,5}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4924. \ \, \neg e_{2,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{2,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor t_{e_{1,5},\,e_{2,5}}$$

$$4925. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg$$

$$4926. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,\neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,4},\,\neg e_{2,4}}$$

$$4927. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e$$

4928. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}} \lor t_{\neg e_{1,4}, \neg e_{2,4}}$$

$$4929. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}}$$

$$4930. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,4},\,e_{2,4}} \vdash e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}} \lor t_{\lnot e_{1,4},\,e_{2,4}}$$

$$4931. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5},\,\lnot e_{4,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},\,\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\,e_{5,6}} \lor \lnot e_{4,6} \lor e_{4,6}$$

$$4932. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,4},\,e_{2,4}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,4},\,e_{2,4}}$$

$$4933. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{4,6} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{4,6}} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{\neg e$$

$$4934. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4},\,\neg e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4},\,\neg e_{2,4}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

$$4935. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{4,5} \lor \lnot e_{4,6} \lor \lnot t_{\lnot e_{4,5},\,\lnot e_{4,6}} \vdash e_{5,6} \lor \lnot t_{\lnot e_{4,5},\,\lnot e_{4,6}} \lor \lnot t_{e_{4,5},\,e_{5,6}} \lor \lnot e_{4,6} \lor \lnot e_{5,6} \lor e_{5,6} \lor e_{5,6} \lor \lnot e_{5,6} \lor e_{5,$$

$$4936. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{e_{1,4},\, \lnot e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4},\, \lnot e_{2,4}} \lor \lnot t_{e_{4,5},\, e_{5,6}}$$

$$4937. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,\neg e_{4,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg e_{4,6} \lor \neg e$$

4938. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4}, e_{2,4}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$4939. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{4,5} \lor e_{4,6} \lor \lnot t_{\lnot e_{4,5},\,e_{4,6}} \vdash e_{5,6} \lor e_{4,6} \lor \lnot t_{e_{4,5},\,e_{5,6}} \lor \lnot t_{\lnot e_{4,5},\,e_{4,6}} \lor \lnot t_{\lnot e_{4,5},\,e_{4,6}} \lor \lnot t_{\lnot e_{4,5},\,e_{4,6}} \lor \lnot t_{\lnot e_{4,5},\,e_{5,6}} \lor \lnot t_{\lnot e_{4,5},\,e_{4,6}} \lor \lnot t_{\lnot e_{4,5},\,e_{4,6}} \lor \lnot t_{\lnot e_{4,5},\,e_{5,6}} \lor \lnot t_{\lnot$$

4940. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash e_{5,6} \lor t_{e_{1,4},\,e_{2,4}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

4941. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}}$$

$$4942. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{5,6} \lor t_{\lnot e_{1,5},\, \lnot e_{2,5}} \vdash \lnot t_{e_{4,5},\, e_{5,6}} \lor t_{\lnot e_{1,5},\, \lnot e_{2,5}} \lor e_{4,5}$$

$$4943. \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{3,5} \lor t_{\lnot e_{1,5},\,\lnot e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{\lnot e_{1,5},\,\lnot e_{2,5}} \lor e_{4,5} \lor \lnot e_{3,5}$$

$$4944. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_$$

$$4945. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,\neg e_{2,5}} \lor e_{4,5}$$

$$4946. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \lnot e_{5,6} \lor \lnot t_{e_{4,5},\,\lnot e_{5,6}} \vdash \lnot t_{e_{4,5},\,\lnot e_{5,6}} \lor \lnot t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4947. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5},\, \lnot e_{2,5}} \vdash e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}} \lor t_{\lnot e_{1,5},\, \lnot e_{2,5}}$$

$$4948. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_$$

4949. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5}, e_{2,5}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5}, e_{2,5}}$$

$$4950. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4951. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{4,5} \lor t_{\lnot e_{1,5},\, e_{2,5}} \vdash e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}} \lor t_{\lnot e_{1,5},\, e_{2,5}}$$

$$4952. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$4953. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,5},\,e_{2,5}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,5},\,e_{2,5}}$$

$$4954. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, e_{3,5} \lor t_{\lnot e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor e_{3,5} \lor e_{4,5} \lor t_{\lnot e_{1,5},\,e_{2,5}}$$

$$4955. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_{e$$

$$4956. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4957. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4958. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}}$$

$$4959. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\,e_{5,6}}, \lnot e_{4,5} \lor t_{e_{1,5},\,\lnot e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5},\,\lnot e_{2,5}} \lor \lnot t_{e_{4,5},\,e_{5,6}}$$

$$4960. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\,\neg e_{2,5}} \vdash t_{e_{1,5},\,\neg e_{2,5}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4961. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, e_{3,5} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor t_{e_{4,5},\, e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\, \neg e_{2,5}} \lor e_{3,5} \lor e_{4,5}$$

4962. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$4963. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5}$$

$$4964. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{3,5} \lor t_{e_{1,5},\,e_{2,5}} \lor t_{e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor t_{e_{1,5},\,e_{2,5}} \lor e_{4,5} \lor \neg e_{3,5}$$

$$4965. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,5} \lor e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \vdash e_{5,6} \lor \neg t_{\neg e_{4,5},\,e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor \neg t_$$

$$4966. \ \ e_{4,5} \lor e_{5,6} \lor \lnot t_{e_{4,5},\, e_{5,6}}, \lnot e_{5,6} \lor t_{e_{1,5},\, e_{2,5}} \vdash t_{e_{1,5},\, e_{2,5}} \lor \lnot t_{e_{4,5},\, e_{5,6}} \lor e_{4,5}$$

$$4967. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,5} \lor \neg e_{5,6} \lor \neg t_{e_{4,5},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,\neg e_{5,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

4968. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}} \vdash e_{5,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{5,6}}$$

$$4969. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\, e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \vdash \neg t_{e_{4,5},\, e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\, \neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor$$

$$4970. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$$

$$4971. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,\neg e_{2,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{\neg e_{1,6},\,\neg e_{2,6}}$$

$$4972. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

$$4973. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

$$4974. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

$$4975. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6}, \neg e_{5,6} \lor \neg e_{4,6} \lor \neg e_{4,$$

$$4976. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{\neg e_{1,6},\,e_{2,6}} \vdash t_{\neg e_{1,6},\,e_{2,6}} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5}$$

4977. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$4978. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

$$4979. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}}$$

4980. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, \neg e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, \neg e_{2,6}}$$

$$4981. \ \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{4,6} \lor \neg e_{5,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg t_{\neg e_{4,6},\,\neg e_{5,6}} \lor e_{4,5} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{4,6} \lor \neg e_{5,6} \lor e_{4,6} \lor \neg e_{5,6} \lor e_{5,$$

$$4982. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6},\,e_{2,6}} \vdash \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6},\,e_{2,6}}$$

4983. 
$$e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5}, e_{5,6}}, \neg e_{5,6} \lor t_{e_{1,6}, e_{2,6}} \vdash \neg t_{e_{4,5}, e_{5,6}} \lor e_{4,5} \lor t_{e_{1,6}, e_{2,6}}$$

$$4984. \ e_{4,5} \lor e_{5,6} \lor \neg t_{e_{4,5},\,e_{5,6}}, e_{4,6} \lor \neg e_{5,6} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \vdash e_{4,6} \lor \neg t_{e_{4,5},\,e_{5,6}} \lor e_{4,5} \lor \neg t_{e_{4,6},\,\neg e_{5,6}} \lor e_{4,6} \lor e_$$

4985. 
$$\neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4986. \ \, \neg e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

4987. 
$$\neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, \neg e_{2,4}} \vdash t_{\neg e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4988. \ \, \neg e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

4989. 
$$\neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4990. \ \, \neg e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

4991. 
$$\neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{\neg e_{1,4}, e_{2,4}} \vdash t_{\neg e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

4992. 
$$\neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

4993. 
$$\neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

$$4994. \ \, \neg e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$

4995. 
$$\neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, \neg e_{2,4}} \vdash t_{e_{1,4}, \neg e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

4996. 
$$\neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5}, e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,5}, e_{2,5}} \lor \neg t_{e_{4,5}, e_{4,6}}$$

4997. 
$$\neg e_{4,5} \lor t_{e_{1,5}, e_{2,5}}, e_{4,5} \lor t_{e_{1,4}, e_{2,4}} \vdash t_{e_{1,4}, e_{2,4}} \lor t_{e_{1,5}, e_{2,5}}$$

4998. 
$$\neg e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{4,5} \lor e_{4,6} \lor \neg t_{e_{4,5},\,e_{4,6}} \vdash e_{4,6} \lor t_{e_{1,5},\,e_{2,5}} \lor \neg t_{e_{4,5},\,e_{4,6}}$$

4999. 
$$\neg e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{4,5} \lor t_{e_{1,4},\,e_{2,4}} \vdash t_{e_{1,4},\,e_{2,4}} \lor t_{e_{1,5},\,e_{2,5}}$$

$$5000. \ \, \neg e_{4,5} \lor t_{e_{1,5},\,e_{2,5}}, e_{4,5} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}} \vdash t_{e_{1,5},\,e_{2,5}} \lor \neg e_{4,6} \lor \neg t_{e_{4,5},\,\neg e_{4,6}}$$