

Домашнее задание по Математической логике №5

Приложение 2. Метод резолюций

Часть 6. 30001 – 35000

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1. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
2. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, e_{3,5} \vee \neg e_{3,6} \vee \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \vee t_{e_{4,6}, \neg e_{5,6}} \vee \neg t_{e_{3,5}, \neg e_{3,6}} \vee t_{e_{1,6}, e_{2,6}}$
3. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee \neg e_{3,5} \vee t_{e_{1,6}, e_{2,6}}$
4. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{\neg e_{1,3}, e_{2,3}} \vdash t_{\neg e_{1,3}, e_{2,3}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
5. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
6. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, e_{3,5} \vee \neg e_{3,6} \vee \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \vee t_{e_{4,6}, \neg e_{5,6}} \vee \neg t_{e_{3,5}, \neg e_{3,6}} \vee t_{e_{1,6}, e_{2,6}}$
7. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee \neg e_{3,5} \vee t_{e_{1,6}, e_{2,6}}$
8. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{e_{1,3}, \neg e_{2,3}} \vdash t_{e_{1,3}, \neg e_{2,3}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
9. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,5} \vee \neg e_{3,6} \vee \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vdash \neg t_{\neg e_{3,5}, \neg e_{3,6}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee \neg e_{3,5} \vee t_{e_{1,6}, e_{2,6}}$
10. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{e_{1,3}, e_{2,3}} \vdash t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,3}, e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}$
11. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{e_{1,3}, e_{2,3}} \vdash t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,3}, e_{2,3}} \vee t_{e_{1,6}, e_{2,6}}$
12. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, e_{3,5} \vee \neg e_{3,6} \vee \neg t_{e_{3,5}, \neg e_{3,6}} \vdash e_{3,5} \vee t_{e_{4,6}, \neg e_{5,6}} \vee \neg t_{e_{3,5}, \neg e_{3,6}} \vee t_{e_{1,6}, e_{2,6}}$
13. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vee t_{\neg e_{4,6}, \neg e_{5,6}} \vdash t_{e_{4,6}, \neg e_{5,6}} \vee t_{\neg e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}$
14. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{\neg e_{1,6}, \neg e_{2,6}} \vee t_{e_{4,6}, e_{5,6}} \vdash t_{e_{4,6}, e_{5,6}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}} \vee t_{\neg e_{1,6}, \neg e_{2,6}}$
15. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{\neg e_{1,6}, e_{2,6}} \vee t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \vee t_{\neg e_{4,6}, e_{5,6}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
16. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{\neg e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}} \vdash t_{\neg e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, e_{2,6}}$
17. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{e_{1,6}, \neg e_{2,6}} \vee t_{\neg e_{4,6}, e_{5,6}} \vdash t_{\neg e_{4,6}, e_{5,6}} \vee t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, \neg e_{2,6}} \vee t_{e_{1,6}, e_{2,6}}$
18. $e_{3,6} \vee t_{e_{1,6}, e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}}, \neg e_{3,6} \vee t_{e_{1,6}, \neg e_{2,6}} \vee t_{e_{4,6}, \neg e_{5,6}} \vdash t_{e_{4,6}, \neg e_{5,6}} \vee t_{e_{1,6}, \neg e_{2,6}} \vee t_{e_{1,6}, e_{2,6}}$

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