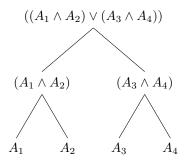
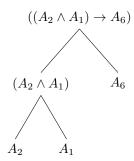
$$----((A_1 \wedge A_2) \vee (A_3 \wedge A_4)) \mathcal{O}$$
 tree \boxtimes



 $----((A_2 \wedge A_1) \to A_6) \mathcal{O} \text{ tree } \boxtimes ----$



 $----(\neg A_1) \mathcal{O} \text{ tree } \boxtimes ----$



 $----(\neg(\neg(\neg A_1))) \mathcal{O} \text{ tree } \boxtimes ----$

$$(\neg(\neg(\neg A_1)))$$

$$|$$

$$(\neg(\neg A_1))$$

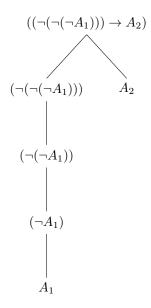
$$|$$

$$(\neg A_1)$$

$$|$$

$$A_1$$

 $----((\neg(\neg(A_1))) \to A_2) \mathcal{O} \text{ tree } \boxtimes$



 $----A_3$ \mathcal{O} tree \boxtimes -----

 A_3

$$(((A_2 \rightarrow (A_1 \rightarrow A_6)) \leftrightarrow ((A_2 \land A_1) \rightarrow A_6)) \rightarrow (\neg(\neg(\neg A_1)))) \mathcal{O} \text{ tree } \boxtimes$$

$$(((A_2 \rightarrow (A_1 \rightarrow A_6)) \leftrightarrow ((A_2 \land A_1) \rightarrow A_6)) \rightarrow (\neg(\neg(\neg A_1))))$$

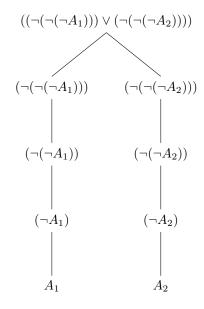
$$((A_2 \rightarrow (A_1 \rightarrow A_6)) \leftrightarrow ((A_2 \land A_1) \rightarrow A_6)) \qquad (\neg(\neg(\neg A_1)))$$

$$(A_2 \rightarrow (A_1 \rightarrow A_6)) \qquad ((A_2 \land A_1) \rightarrow A_6) \qquad (\neg(\neg A_1))$$

$$A_2 \qquad (A_1 \rightarrow A_6) \qquad (A_2 \land A_1) \qquad A_6 \qquad (\neg A_1)$$

$$A_1 \qquad A_6 \qquad A_2 \qquad A_1 \qquad A_1$$

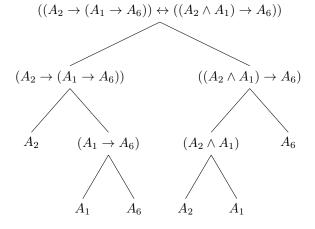
----((¬(¬(¬
$$A_1$$
))) \vee (¬(¬(¬ A_2)))) $\mathcal O$ tree \boxtimes -----



 $----(A_1 \wedge A_2) \mathcal{O} \text{ tree } \boxtimes -----$



$$----((A_2 \to (A_1 \to A_6)) \leftrightarrow ((A_2 \land A_1) \to A_6)) \mathcal{O} \text{ tree } \boxtimes ----$$



$$---- ((((A_2 \rightarrow (A_1 \rightarrow A_6)) \leftrightarrow ((A_2 \land A_1) \rightarrow A_6)) \rightarrow (\neg (\neg (\neg A_1)))) \lor ((\neg (\neg (\neg A_1)))) \lor ((A_1 \land A_2) \lor (A_3 \land A_4)))))) \mathcal{O} \text{ tree } \boxtimes ----$$

