

Nájdite všetky extenzie $T = (E, D)$, kde

$$1. E = \emptyset, D = \left\{ \frac{:p}{p}, \frac{:q}{\neg p} \right\}.$$

$$2. E = \emptyset, D = \left\{ \frac{:p}{q}, \frac{: \neg p}{r} \right\}.$$

$$3. E = \{\neg q, p\}, D = \left\{ \frac{p : q}{r}, \frac{r : q}{s} \right\}.$$

$$4. E = \{p \leftarrow q\}, D = \left\{ \frac{a : q}{q}, \frac{: \neg a}{\neg a}, \frac{: a}{a} \right\}.$$

$$5. E = \emptyset, D = \left\{ \frac{q : p}{p}, \frac{\neg p : q}{q}, \frac{: \neg p}{\neg p} \right\}.$$

6.

$$E = \{b \leftarrow a \leftarrow b\}$$

$$D = \left\{ \frac{a : \neg f}{\neg f}, \frac{b : f}{f} \right\}.$$

7.

$$E = \{bt \leftarrow of \leftarrow bf \leftarrow of\}$$

$$D = \left\{ \frac{bt : f}{f}, \frac{bf : f}{f}, \frac{of : \neg f}{\neg f} \right\}.$$

8.

$$E = \{bt \leftarrow of \leftarrow bf \leftarrow of\}$$

$$D = \left\{ \frac{bt : f}{f}, \frac{bf : f}{f}, \frac{of : \neg f}{\neg f}, \frac{f : \neg a}{\neg a} \right\}.$$

9.

$$\begin{aligned} E &= q \leftarrow \\ & r \leftarrow \\ & m \leftarrow h \\ & m \leftarrow p \\ & \neg h \leftarrow p \\ & \neg p \leftarrow h \end{aligned}$$
$$D = \left\{ \frac{r : h}{h}, \frac{q : p}{p} \right\}.$$

10.

$$\begin{aligned} E &= a(2) \leftarrow \\ & i(9) \leftarrow \\ & \neg i(X) \leftarrow n(X) \\ & \neg n(X) \leftarrow i(X) \end{aligned}$$
$$D = \left\{ \frac{i(X) \vee a(X) : n(X)}{n(X)}, \frac{i(X) \vee a(X) : \neg n(X)}{\neg n(X)} \right\}.$$

11.

$$\begin{aligned} E &= e(1) \leftarrow \\ & e(2) \leftarrow \\ & b(X) \leftarrow a(X), e(X) \end{aligned}$$
$$D = \left\{ \frac{: a(1)}{a(1)}, \frac{: \neg a(2)}{\neg a(2)} \right\}.$$

12.

$$\begin{aligned} E &= c \leftarrow \\ & m \leftarrow c \\ & \neg s \leftarrow c \end{aligned}$$
$$D = \left\{ \frac{m : s}{s}, \frac{m : \neg s}{\neg s} \right\}.$$

13. $E = a \vee g, D = \left\{ \frac{g : \neg l}{\neg l}, \frac{a : l}{l} \right\}.$

14. $E = \emptyset, D = \left\{ \frac{: c}{a}, \frac{: \neg c}{\neg c} \right\}.$

$$15. E = \{\neg x, y\}, D = \left\{ \frac{y : \neg z}{x} \right\}.$$

$$16. E = \emptyset, D = \left\{ \frac{: \neg b, \neg d}{a}, \frac{: \neg b, \neg d}{c}, \frac{: \neg a, \neg c}{d}, \frac{a : \neg c}{b} \right\}.$$

$$17. E = \emptyset, D = \left\{ \frac{: a}{a}, \frac{: b}{\neg b} \right\}.$$

$$18. E = \emptyset, D = \left\{ \frac{: a}{a}, \frac{b : c}{c} \right\}.$$

$$19. E = \{f\}, D = \left\{ \frac{f : g}{\neg g}, \frac{: a, \neg c}{a} \right\}.$$

20.

$$\begin{aligned} E &= m \vee f \\ &\quad \neg(m \wedge f) \\ D &= \left\{ \frac{: m}{m}, \frac{: f}{f} \right\}. \end{aligned}$$

$$21. E = \{p\}, D = \left\{ \frac{p : \neg q}{r}, \frac{p : \neg r}{q} \right\}.$$

$$22. E = \emptyset, D = \left\{ \frac{: \neg p}{q}, \frac{: \neg r}{p} \right\}.$$

$$23. E = \{p\}, D = \left\{ \frac{p : q}{q}, \frac{p : \neg q}{\neg q}, \frac{q : r}{r} \right\}.$$

$$24. E = \{p \vee q\}, D = \left\{ \frac{p : \neg r}{q}, \frac{q : s}{f} \right\}.$$

$$25. E = \{a \vee b\}, D = \left\{ \frac{a : c}{c}, \frac{b : \neg c}{\neg c}, \frac{a \vee b : \neg a}{\neg a} \right\}.$$

$$26. E = \emptyset, D = \left\{ \frac{: a \wedge b}{a}, \frac{: \neg b}{\neg b} \right\}.$$

27.

$$\begin{aligned} E &= \{x \leftarrow \\ &\quad y \leftarrow \\ &\quad z \leftarrow y\} \\ D &= \left\{ \frac{x : w}{w}, \frac{y : \neg w}{\neg w}, \frac{y \vee x : w}{w} \right\}. \end{aligned}$$