

Nájdite všechny stabilné modely logického programu

1.

$$\begin{aligned}w &\leftarrow \text{not } t \\s &\leftarrow \text{not } w \\t &\leftarrow \text{not } s \\a &\leftarrow w, \text{not } p \\p &\leftarrow\end{aligned}$$

2.

$$\begin{aligned}c &\leftarrow \text{not } a, b \\a &\leftarrow \text{not } c \\b &\leftarrow \text{not } d \\d &\leftarrow \text{not } c\end{aligned}$$

3.

$$\begin{aligned}f &\leftarrow b, \text{not } a \\b &\leftarrow p \\a &\leftarrow p \\b &\leftarrow\end{aligned}$$

4.

$$\begin{aligned}p &\leftarrow q \\q &\leftarrow \text{not } p \\q &\leftarrow q\end{aligned}$$

5.

$$\begin{aligned}a &\leftarrow b, c \\b &\leftarrow a, c \\d &\leftarrow d\end{aligned}$$

6.

$$\begin{aligned}c &\leftarrow a, \text{not } b \\c &\leftarrow b, \text{not } a \\a &\leftarrow d \\b &\leftarrow d\end{aligned}$$

7.

$a \leftarrow b$
 $c \leftarrow \text{not } a$

8.

$n \leftarrow \text{not } p$
 $p \leftarrow$

9.

$p \leftarrow q$
 $q \leftarrow \text{not } r, p$

10.

$b \leftarrow$
 $a \leftarrow b$
 $d \leftarrow a, \text{not } c$

11.

$p \leftarrow \text{not } p$
 $q \leftarrow \text{not } q$
 $r \leftarrow$
 $p \leftarrow r$
 $q \leftarrow r$

12.

$p \leftarrow \text{not } q$
 $q \leftarrow \text{not } p$
 $a \leftarrow q$

13.

$s \leftarrow$
 $r \leftarrow \text{not } s$
 $q \leftarrow \text{not } r$
 $p \leftarrow \text{not } q$

14.

$$\begin{aligned}a &\leftarrow \text{not } b \\b &\leftarrow \text{not } a \\x &\leftarrow \text{not } y \\y &\leftarrow \text{not } x \\a &\leftarrow x\end{aligned}$$

15.

$$\begin{aligned}\text{in}(2) &\leftarrow \\ \text{in}(1) &\leftarrow \text{not } \text{in}(3) \\ \text{in}(3) &\leftarrow \text{not } \text{in}(1), \text{not } \text{in}(4) \\ \text{in}(4) &\leftarrow \text{not } \text{in}(3)\end{aligned}$$

16.

$$\begin{aligned}p &\leftarrow \\ r &\leftarrow p, \text{not } q \\ q &\leftarrow p, \text{not } r\end{aligned}$$

17.

$$\begin{aligned}p &\leftarrow q \\ p &\leftarrow \text{not } r \\ r &\leftarrow \text{not } q \\ q &\leftarrow \text{not } p\end{aligned}$$

18.

$$\begin{aligned}c(1) &\leftarrow \text{not } b(1) \\ c(2) &\leftarrow \text{not } b(2) \\ b(1) &\leftarrow \text{not } c(1) \\ b(2) &\leftarrow \text{not } c(2)\end{aligned}$$

19.

$$\begin{aligned}\text{in}(1) &\leftarrow \text{not } \text{in}(2), \text{not } \text{in}(3) \\ \text{in}(2) &\leftarrow \text{not } \text{in}(1), \text{not } \text{in}(4) \\ \text{in}(3) &\leftarrow \text{not } \text{in}(1), \text{not } \text{in}(4) \\ \text{in}(4) &\leftarrow \text{not } \text{in}(2), \text{not } \text{in}(3)\end{aligned}$$

20.

$$\begin{aligned}z &\leftarrow \text{not } x, \text{not } y \\x &\leftarrow \text{not } u, \text{not } z\end{aligned}$$

21.

$$\begin{aligned}a &\leftarrow \text{not } b, \text{not } d \\c &\leftarrow \text{not } b, \text{not } d \\d &\leftarrow \text{not } a, \text{not } c \\b &\leftarrow a, \text{not } c\end{aligned}$$

22.

$$\begin{aligned}a &\leftarrow \text{not } b, d \\d &\leftarrow \text{not } c \\c &\leftarrow \text{not } d \\a &\leftarrow b\end{aligned}$$

23.

$$\begin{aligned}a &\leftarrow \text{not } b \\b &\leftarrow \text{not } a \\c &\leftarrow \text{not } d \\d &\leftarrow \text{not } c\end{aligned}$$

24.

$$\begin{aligned}a &\leftarrow b, \text{not } c \\b &\leftarrow c, \text{not } a \\c &\leftarrow a, \text{not } b\end{aligned}$$

25.

$$\begin{aligned}p &\leftarrow \text{not } q, \text{not } r \\q &\leftarrow \text{not } p \\r &\leftarrow \text{not } s \\s &\leftarrow \text{not } r\end{aligned}$$

26.

$$\begin{aligned}p &\leftarrow \text{not } q \\p &\leftarrow \text{not } r \\q &\leftarrow \text{not } s \\s &\leftarrow\end{aligned}$$

27.

$$\begin{aligned} p &\leftarrow q \\ r &\leftarrow \text{not } p \end{aligned}$$