

4.

文法: $\text{expr} \rightarrow \text{expr} \mid$

$\text{expr} \rightarrow \text{term}$

$\text{term} \rightarrow \text{term} \mid \& \& \text{factor}$

$\text{term} \rightarrow \text{factor}$

$\text{factor} \rightarrow !\text{factor} \mid$

$\text{factor} \rightarrow (\text{expr})$

$\text{factor} \rightarrow \mid$

$\text{factor} \rightarrow 0$

值: $\text{expr}.\text{val} = \text{term}.\text{val} \& \& \text{factor}.\text{val}$

$\text{term}.\text{val} = \text{term}!\text{val} \& \& \text{factor}.\text{val}$

$\text{term}.\text{val} = \text{factor}.\text{val}$

$\text{factor}.\text{val} = \text{NOT factor}!.\text{val}$

$\text{factor}.\text{val} = \text{expr}.\text{val}$

$\text{factor}.\text{val} = \mid$

$\text{factor}.\text{val} = 0$

值: $\text{expr}.t = 0$

1

$\text{term}.t = 0$

$\text{term}.t = 0$

1

$\text{factor}.t = 1$

$!\text{factor}.t = 0$

↓

0

(|)

$\text{expr}.t = 1$

$\text{expr}.t = 1$

1

$\text{term}.t = 1$

1

$\text{factor}.t = 1$

1

1

$\text{term}.t = 1$

1

$\text{factor}.t = 1$

1

$!\text{factor}.t = 1$

1

0