

$$\textcircled{5} \quad \phi = (x \vee \phi[x/0]) \wedge (\neg x \vee \phi[x/1])$$

rozpetnomy dve prupedli

$$(1) \quad x = 1$$

$$\phi[x/1] = \overbrace{(1 \vee \phi[x/0])}^1 \wedge \overbrace{(0 \vee \phi[x/1])}^{\phi[x/1]}$$

$$\phi[x/1] = \phi[x/1] \quad \checkmark$$

$$(2) \quad \text{analogicne } x = 0$$

$$\phi[x/0] = \underbrace{(0 \vee \phi[x/0])}_{\phi[x/0]} \wedge \overbrace{(1 \vee \phi[x/1])}^1$$

$$\phi[x/0] = \phi[x/0] \quad \checkmark$$

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