

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

Rozpatrzymy dwa przypadki

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

$$\phi[x/1] = (1 \vee \phi[x/0]) \wedge (0 \vee \phi[x/1])$$

$\overbrace{\hspace{100pt}}$ ¹ $\overbrace{\hspace{100pt}}$ ^{$\phi[x/1]$}

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

$$(2) \text{ analogicznie } x = 0$$

$$\phi[x/0] = (0 \vee \phi[x/0]) \wedge (1 \vee \phi[x/1])$$

$\overbrace{\hspace{100pt}}$ ⁰ $\overbrace{\hspace{100pt}}$ ¹ $\overbrace{\hspace{100pt}}$ ^{$\phi[x/0]$}

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

Chol.