

$$\Sigma_0 \stackrel{\text{def}}{=} \Gamma \cup \{\neg p \wedge \mathbf{H}p\}$$

$i := 0$

$$\Sigma_i \cup \{\varphi_i\} \vdash_{\mathbf{L}} \perp \text{ ?}$$

$i := i + 1$

$i := i + 1$

$$\Sigma_{i+1} := \Sigma_i \cup \{\neg\varphi_i\}$$

Yes

No

$$\Sigma_{i+1} := \Sigma_i \cup \{\varphi_i\}$$

