

Answer

Let A be the action $y' \neq z'$, where y and z are variables, and let the refinement mapping be defined by

$$x \leftarrow y \quad x \leftarrow z$$

for a variable x . Then

$$\begin{aligned}\overline{\text{ENABLED } A} &= \overline{\exists \hat{y}, \hat{z} : \hat{y} \neq \hat{z}} \\ &= \overline{\text{TRUE}} \\ &= \text{TRUE}\end{aligned}$$

while

$$\begin{aligned}\text{ENABLED } \overline{A} &= \text{ENABLED } (x' \neq x') \\ &= \exists \hat{x} : \hat{x} \neq \hat{x} \\ &= \text{FALSE}\end{aligned}$$