

~~Marcin Sarnecki 323034 quiz 7~~

~~($\exists x (x \in X \wedge x \leq 2) \wedge x_0 \leq 2$) \rightarrow ($\exists x (x \in X \wedge x \leq 2) \wedge x_0 \leq 2$)~~

Pytanie 2

$$\begin{aligned}
 & \neg (\exists z ((\exists x x \in X \wedge x \leq z) \wedge x_0 \leq z)) \equiv \\
 & \equiv \forall z \neg ((\exists x x \in X \wedge x \leq z) \wedge x_0 \leq z) \equiv \\
 & \equiv \forall z \neg (\exists x x \in X \wedge x \leq z) \vee \neg (x_0 \leq z) \equiv \\
 & \equiv \forall z \forall x \neg (x \in X \wedge x \leq z) \vee x_0 > z \equiv \\
 & \equiv \forall z \forall x x \notin X \vee x > z \vee x_0 > z
 \end{aligned}$$