Owen Trueblood Problem Set 2 for 6.042

Problem 4

a) $(x = \phi)$: := $\forall z$. $z \notin x$ b) $(x = \xi y, z \hat{z})$: := $\forall \omega$. $(\omega \in x)$ IFF wey or $\omega \in z$)

c) $\forall z$. $(z \in y - z \in x)$ = : : $x \subseteq y$ d) $(x = y \cup z)$: := $\forall \omega$. $(\omega \in x)$ IFF wey or $\omega \in z$)

c) (x = y - z) : := $\forall \omega$. $(\omega \in x)$ IFF $(\omega \in z)$ AND Not $(\omega \in z)$)

f) (x = pow(y)) : := $\forall \omega$. $(\omega \in x)$ IFF $(\omega \in z)$ g) $(x = (\omega \in y z)$: := $\forall \omega$. $(\omega \in x)$ IFF $(\omega \in z)$

no one, and received help from no one.