

**HW 1 - Evaluation and Environments**

1.  $\rho_1 = \{\}$
2.  $\rho_2 = \{x \rightarrow 22, y \rightarrow 11\}$
3.  $\rho_3 = \{x \rightarrow 77, y \rightarrow 11\}$
4.  $\rho_4 = \{x \rightarrow 22, y \rightarrow 11, z \rightarrow 66\}$
5.  $\rho_5 = \{x \rightarrow 22, y \rightarrow 11, z \rightarrow 66, w \rightarrow 33\}$
6.  $\rho_6 = \{x \rightarrow 22, y \rightarrow 11, z \rightarrow 66\}$
7.  $\rho_7 = \{f \rightarrow \langle x \rightarrow y \cdot x, \rho_6 \rangle, x \rightarrow 22, y \rightarrow 11, z \rightarrow 66\}$
8.  $\rho_8 = \{f \rightarrow \langle x \rightarrow y \cdot x, \rho_6 \rangle, x \rightarrow 121, y \rightarrow 11, z \rightarrow 66\}$