Solution to CS421 Homework 0
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1. $\rho_1 = \{\}$
2. $\rho_2 = \{y \rightarrow 11, x \rightarrow 22\}$
3. $\rho_3 = \{x \rightarrow 165\} + \rho_2 = \{x \rightarrow 165, y \rightarrow 11\}$
4. $\rho_4 = \{z \rightarrow (165, 11), y \rightarrow 11, x \rightarrow 22\}$
5. $\rho_5 = \{w \rightarrow 33, z \rightarrow (165, 11), y \rightarrow 11, x \rightarrow 22\}$
6. $\rho_6 = \{w \rightarrow 66\} + \rho_5 = \{w \rightarrow 66, z \rightarrow (165, 11), y \rightarrow 11, x \rightarrow 22\}$
7. $\rho_7 = \{f \rightarrow < x \rightarrow x * y, \rho_5 >\} + \rho_5 = \{w \rightarrow 66, z \rightarrow (165, 11), y \rightarrow 11, x \rightarrow 22\}$
8. $\rho_8 = \{x \rightarrow 232, f \rightarrow < x \rightarrow x * y, \rho_5 >, w \rightarrow 33, z \rightarrow (165, 11), y \rightarrow 11\}$