F22-Exercise

Course in Semantics · Ling 531 / 731

McKenzie · University of Kansas

Rewrite the following assignment functions to fit the following modifications.

$$a = \begin{bmatrix} 1 & \to & \text{Sam} \\ 2 & \to & \text{Diane} \\ 3 & \to & \text{Cliff} \\ 4 & \to & \text{Norm} \end{bmatrix}$$

$$b = \begin{bmatrix} 1 & \to & \text{Lorelai} \\ 2 & \to & \text{Rory} \\ 3 & \to & \text{Sookie} \\ 4 & \to & \text{Luke} \end{bmatrix}$$

$$c = \begin{bmatrix} 1 & \to & \text{Meera} \\ 2 & \to & \text{Jeyne} \\ 3 & \to & \text{Missandrei} \\ 4 & \to & \text{Lollys} \end{bmatrix}$$

$$d = \begin{bmatrix} 1 & \to & \text{Emma} \\ 2 & \to & \text{Charles} \\ 3 & \to & \text{Rodolphe} \\ 4 & \to & \text{Léon} \end{bmatrix}$$

$\varnothing =$

(The empty assignment. It has an empty domain, so the function doesn't map anything to anything)

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1. $a^{2\to\text{Rebecca}} =$

$$\begin{bmatrix} 1 & \to & \text{Sam} \\ 2 & \to & \text{Rebecca} \\ 3 & \to & \text{Cliff} \\ 4 & \to & \text{Norm} \end{bmatrix}$$

2. $a^{1\to\text{Diane},\ 2\to\text{Sam}} =$

$$\begin{bmatrix} 1 & \to & \text{Diane} \\ 2 & \to & \text{Sam} \\ 3 & \to & \text{Cliff} \\ 4 & \to & \text{Norm} \end{bmatrix}$$

3. $b^{5\to\text{Paris}} =$

$$\begin{bmatrix} 1 & \to & \text{Lorelai} \\ 2 & \to & \text{Rory} \\ 3 & \to & \text{Sookie} \\ 4 & \to & \text{Luke} \\ 5 & \to & \text{Paris} \end{bmatrix}$$

4. $c^{3\to\text{Nymeria}} =$

5. $d^{5\to\text{Berthe}} =$

6. $a^{1\to x}$

7. $\varnothing^{1\to\text{Doyle, }2\to\text{Paris}}$ =

8. $\varnothing^{1\to\text{Orange}}$ =

9. $b^{1\to x}$ =

10. $a^{1\to x}$

11. $d^{1\to e,\ 2\to c,\ 3\to r,\ 4\to l}$ =

12. $c^{3\to\text{Osha}}$ =

13. $b^{[1\to x]^{2\to z}}$ =

This one involves modifying an assignment that's already been modified!

14. $d^{[4\to\text{Justin}]^{4\to\text{Lheureux}}}$