

D.U.

$$h_3(L_4) \quad h_3 \stackrel{\circ}{=} h_3(a) = da$$

$$h_3(b) = cc$$

$$h_3(c) = \emptyset$$

$$L_4 = \{wabu \mid w \in \{a,b\}^+\}$$

$$h_3(L_4) = \{wduccw \mid w \in \{da, cc\}^+\}$$

$$\begin{matrix} A & B \\ * & | (0,1) | = | (0,1) \times \mathbb{N} | \end{matrix}$$

$$\begin{pmatrix} (0,1,1) & \dots \\ (0,2,1) & \dots \\ \vdots & \end{pmatrix}$$

$$\frac{\lceil 1 \rceil}{0,1} = 10$$

$$\begin{aligned} f(x) &= (0, \frac{\lceil 1 \rceil}{x}) & x < 0,1 \\ f(x) &= (1, \frac{\lceil 1 \rceil}{x}) & x > 0,1 \end{aligned} \quad \text{with bij.} \quad f(x) = (x, \frac{\lceil 1 \rceil}{x})$$

$$\frac{1}{0,1 - (0,1-10)}$$

$$f(x,y) = \frac{1}{x - (x-y)}$$

$$\begin{aligned} f: A &\rightarrow B \\ f(x) &= (x, \frac{\lceil 1 \rceil}{x}) \quad x \in A \\ f: B &\rightarrow A \\ f(x,y) &= \frac{1}{x - (x-y)} \quad x \in B \end{aligned}$$

$$\begin{matrix} A & B \\ | \langle 2,3 \rangle | = | (0,1) | \end{matrix}$$

$$f: A \rightarrow B$$

$$f(2) = \frac{1}{2}$$

$$f(3) = \frac{1}{3}$$

$$f(\frac{1}{n}) = \frac{1}{n+2}$$

$$n \in \{1,2,3,\dots\} = \mathbb{N}^+$$

$$f(x) = x-2 \quad x \in \langle 2,3 \rangle \quad x \neq \frac{1}{n} \quad n \in \mathbb{N}^+$$

$$x = \frac{1}{y+2}$$

$$x(y+2) = 1$$

$$y = \frac{1}{x} - 2$$