

15-150

Quiz 5 tomorrow

Final Aug 12

$$e_1 e_2 \Rightarrow e'_1 e_2$$

$$\text{if } e_1 \Rightarrow e'_1$$

~~$$(f_n x \Rightarrow e_1) e_2 \Rightarrow (f_n x \Rightarrow e_1) e'_2$$~~

~~$$\text{if } e_2 \Rightarrow e'_2$$~~

~~$$(f_n x \Rightarrow e) v \Rightarrow [v/x]e$$~~

$$(f_n x \Rightarrow e_1) e_2 \Rightarrow [e_2/x]e_1$$

$$\angle(e_1, e_2, e_3, \dots)$$

$$\xrightarrow{\text{map } f}$$

$$\angle(fe_1, fe_2, \dots)$$

⑦

~~6~~

⑤

~~4~~

③

②

⑬

~~12~~

⑪

~~10~~

~~9~~

~~8~~

1
0.99

+ 0.01

1.00

$$\frac{\pi}{2} = \left(\frac{2 \times 2}{1 \times 3} \right) \times \left(\frac{4 \times 4}{3 \times 5} \right) \dots$$

$$s_1 \approx s_2$$

$$\forall n \geq 0. \text{ take}(s_1, n) \approx \text{take}(s_2, n)$$

$$\text{dom } (f \circ g) \approx s \approx \text{map } f (\text{map } g \ s)$$