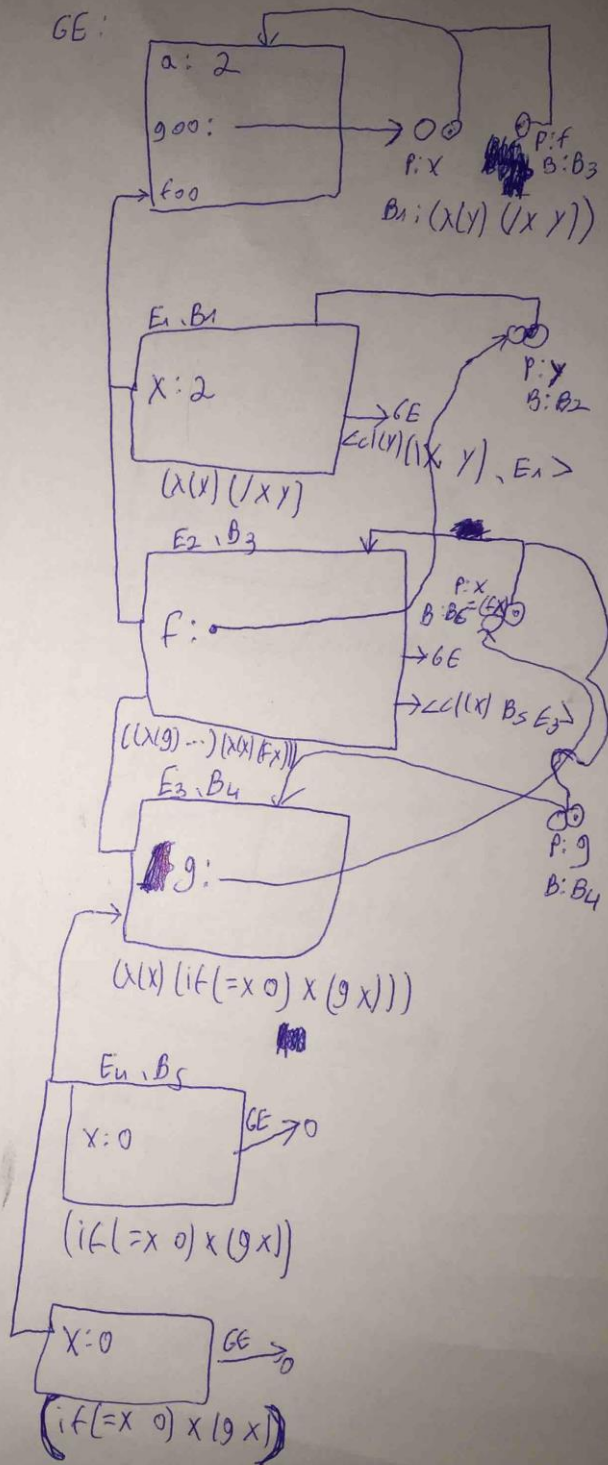


→ (define a 2) →

\Rightarrow (define goo ($\lambda(x) \lambda(y)$

$$\begin{aligned} &> \text{define } foo \\ &\quad ((\lambda(f) \\ &\quad \quad (B_3 \lambda(g) \\ &\quad \quad \quad (B_4 \lambda(x) \\ &\quad \quad \quad \quad (B_5 (if (x 0) \\ &\quad \quad \quad \quad \quad x \\ &\quad \quad \quad \quad \quad (g\ x)))))) B_5) B_4 \\ &\quad \quad ((\lambda(x) (f\ x))) B_6) B_3 \\ &\quad \quad (g\ 0\ 0\ a))) B_3 \end{aligned}$$
$$\triangleright (\text{foo} (\text{foo } 0))$$


> ~~define~~ (define a 2)

> (define goo ($\lambda(x)$
 $\lambda(y)$
 $(\lambda(x) y)))$
 B_1 B_2 B_1

> (define foo
 $(\lambda(f)$
 $(\lambda(g)$
 $\lambda(x)$
 $(if (= x 0)$
 x
 $(g x))))$
 B_3 B_4 B_5 B_6 B_7
 $(x x)$ $(f x)$
 $(goo a)))$ B_8

> (foo (foo 0))
 0

