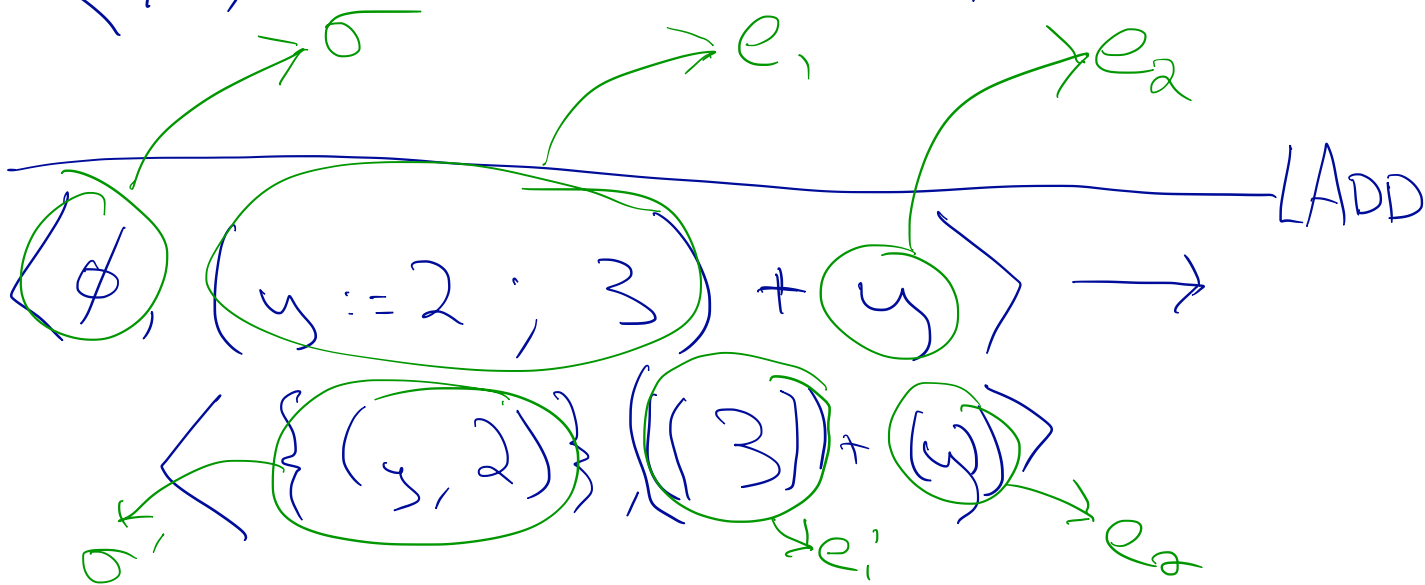


$$\{(y, 2)\} = \phi [y \mapsto 2]$$

$$\langle \phi, y := 2; 3 \rangle \rightarrow \langle \{(y, 2)\}, 3 \rangle$$

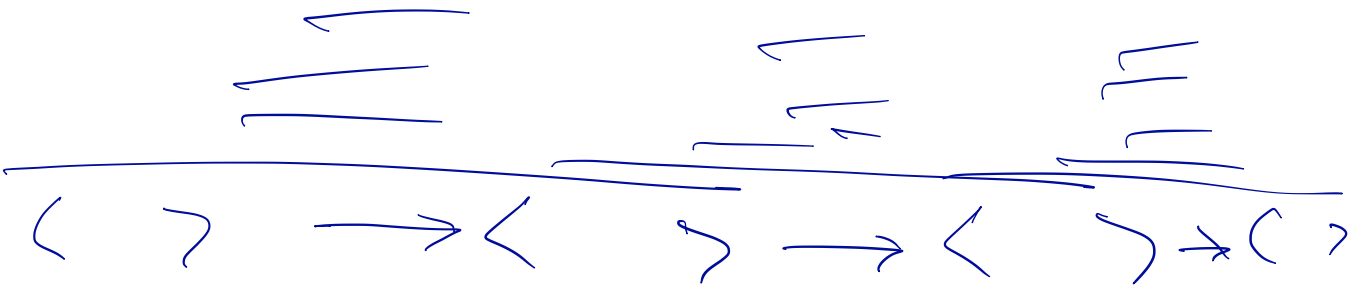


$$\sigma' = \sigma[x \mapsto n]$$

ASSIGN

---

$$\langle \sigma, x := n; e \rangle \rightarrow \langle \sigma', e \rangle$$



$$2 = \{(y, 2)\} (y)$$

$$\langle \{(y, 2)\}, y \rangle \rightarrow \langle \{(y, 2)\}, 2 \rangle$$

VAR  
RADD

$$\langle \{(y, 2)\}, 3+y \rangle \rightarrow \langle \{(y, 2)\}, 3+2 \rangle$$

$$3 + 2 = 5$$

Add

---

$$\langle \{(y, 2)\}, 3+2 \rangle \rightarrow \langle \{(y, 2)\}, 5 \rangle$$

$\langle \{(s, 2)\}, S \rangle \rightarrow \nabla$