



"int x=6; "intx=6; " int x = 6; 18-3/ (n+x=5)—> ·X=X+x) x = 6retx" X = X + X; · "intx=1Z ret x; " 17 intx=12 -> ret 12" x = 12 red x "  $(Vars... E[f(v)]) \Rightarrow$ (vows ... E[(Black (fis local vars) [x=v] fis body) E[(block (vans ... (return v))] -> BIV for (mit; cond; step) { body 3 1= 2 was init; while (cond) 5 body; step 3 E[while CB] -> E[if C (B; while CB) void "(" | m = .... ) o | (set! o m) S = Stone E= \* ( E[X-> V]  $K^2 = \text{ret} \mid \text{fn}(\mathbf{A}, \mathbf{E}, \mathbf{K}) \mid \text{an}(V, \mathbf{K})$  set $(\sigma, \mathbf{K})$ CESK ⟨ σ, E, K > ¬ < V , E, K> V=??? S = # 1.5[0+>V] ∠ø, E, S, K) → ⟨V, E, S, K> V = S(σ)  $\langle V, E, S, set(\sigma, k) \rangle \rightarrow \langle V, E, S', k \rangle S' = S[\sigma \rightarrow V]$ (set! om, E, s, k) -> < M, E, s, set(o, k)>  $\langle M N, E, S, k \rangle \rightarrow \langle M, E, S, fn(N, E, k) \rangle$  $\langle V, E, S, f_n(N, E', K) \rangle \rightarrow \langle N, E', S, \bowtie ar(V, k) \rangle$ ∠ V, E, S, ar (clo(\(\lambda\), m, E'(\(\lambda\)), k)> > < M, E'(\(\lambda\)), k)</p>

