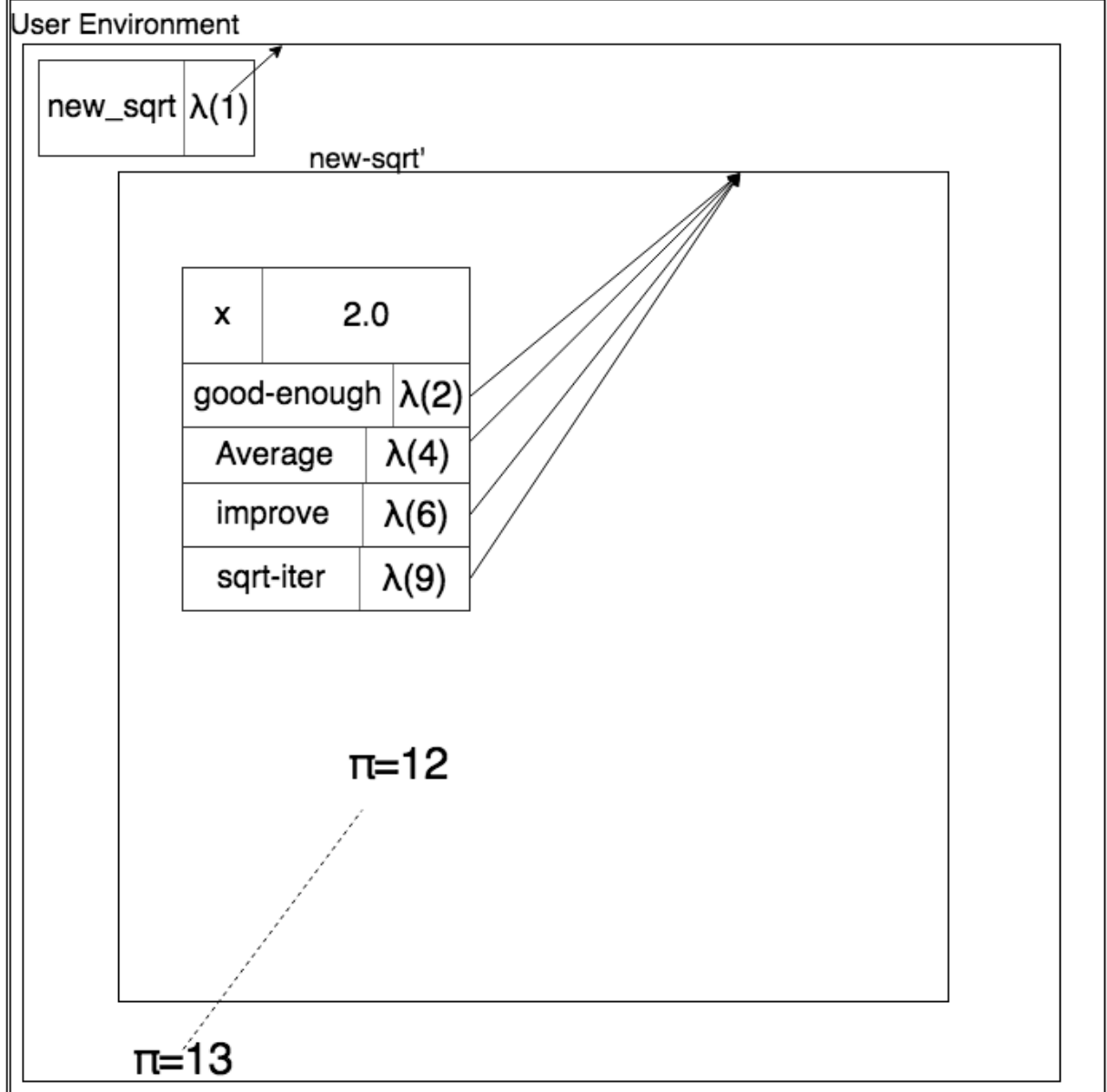


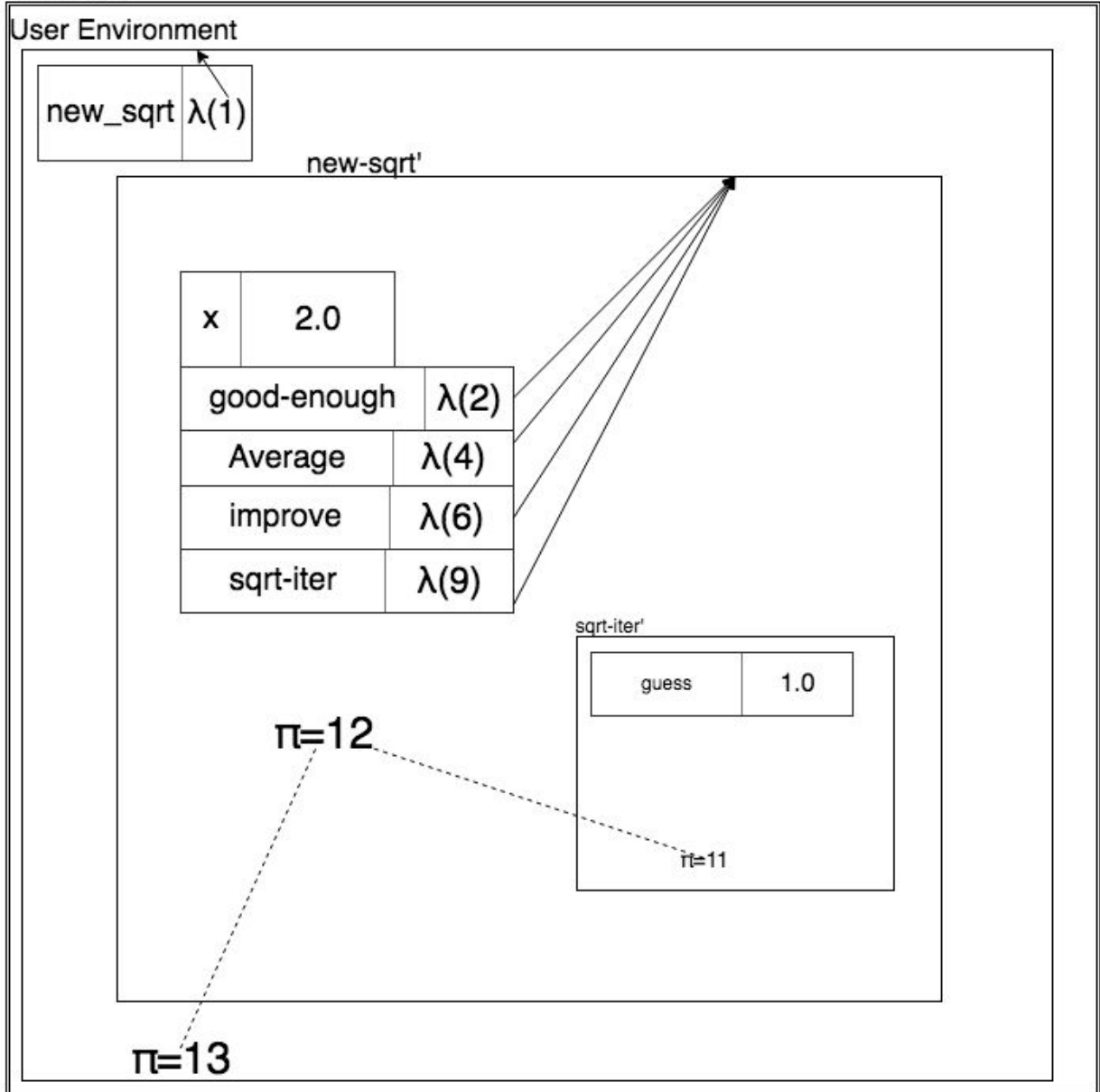
2A

Primitive
Environment

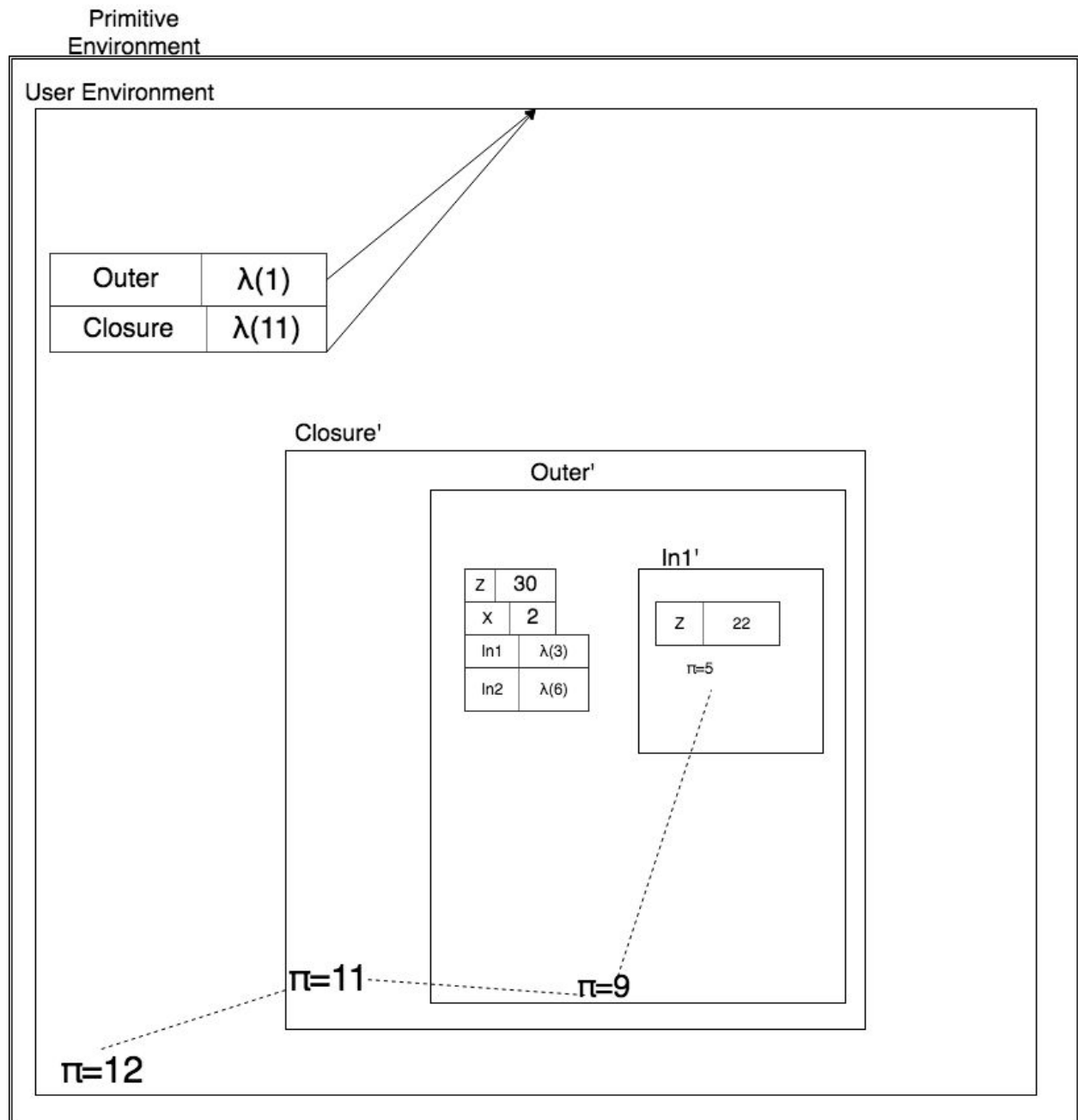


2B

Primitive
Environment



3A)



3B) 300

3C) 220. The reason why 220 is outputted is because in dynamic scoping the variable Z acquires the value nested in the innermost contour frame, which is 22. In dynamic scoping, the variable Z is set to this innermost value of 22, as opposed to in lexical scoping where it would acquire the value of 30, the value established for Z in the outermost frame. As a result, the value of 220 is arrived at from ln2 being invoked, setting $Z = 22 * 10 \dots 220$