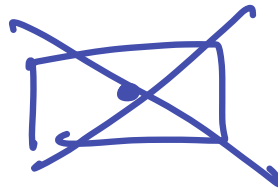
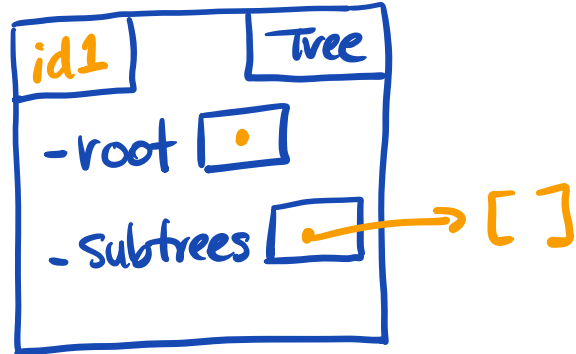


How we represent trees in our Tree class

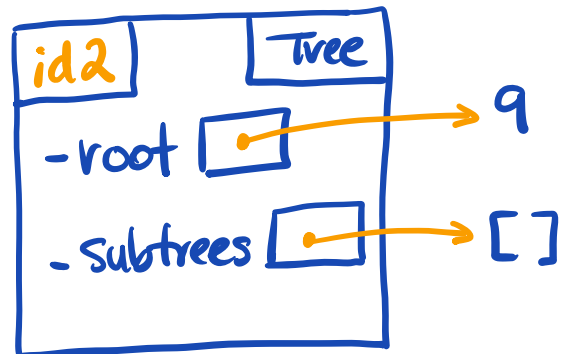
Empty tree



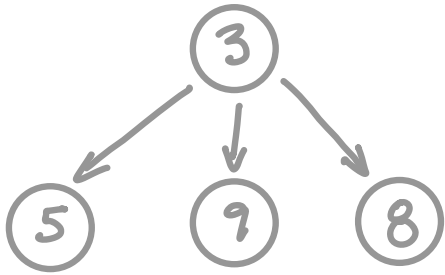
We did not choose to represent an empty tree as simply None.

Single value

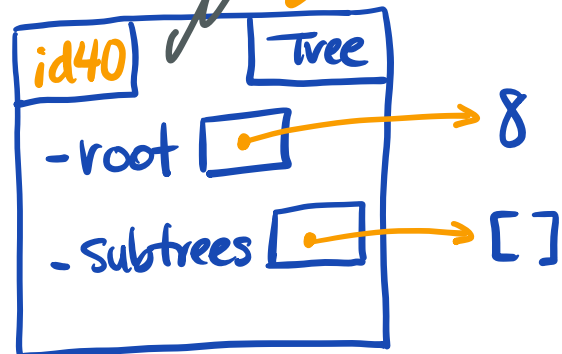
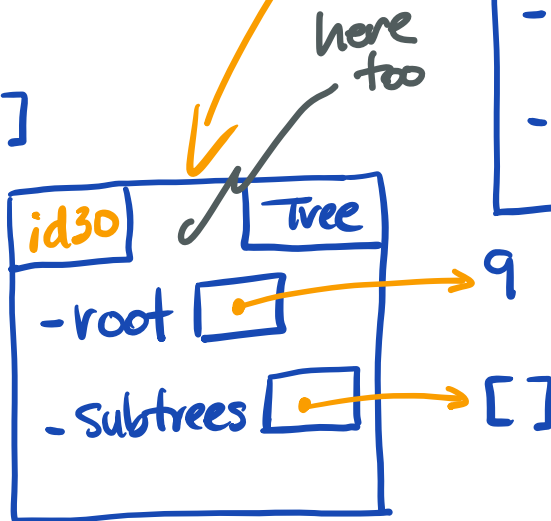
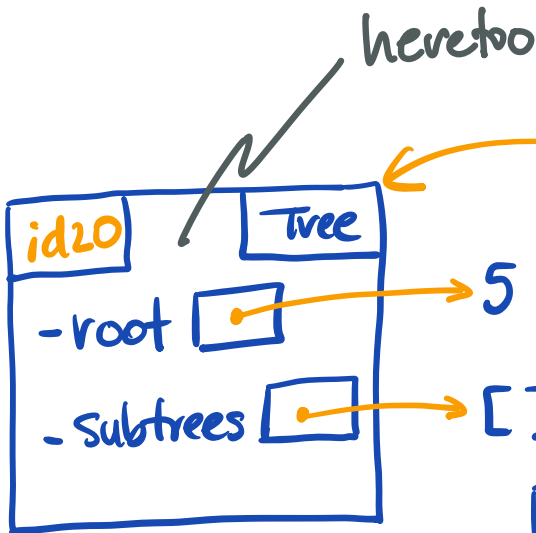
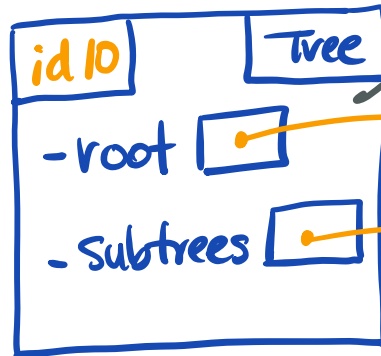
9



Bigger

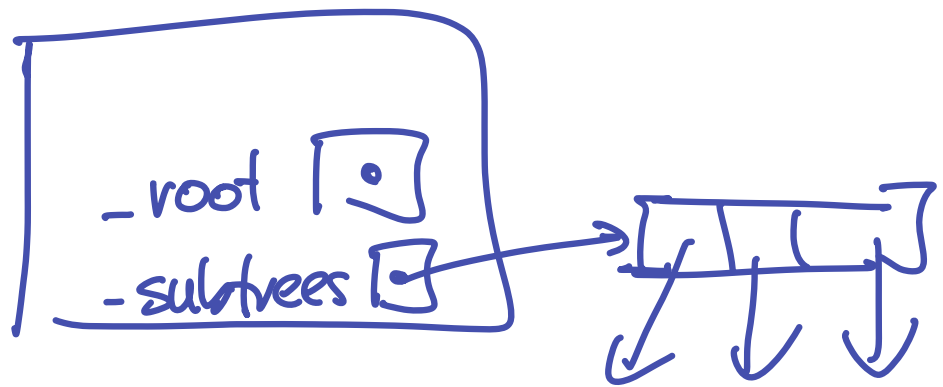


If we stored any meta-data (eg tree height), we'd store it in every Tree object

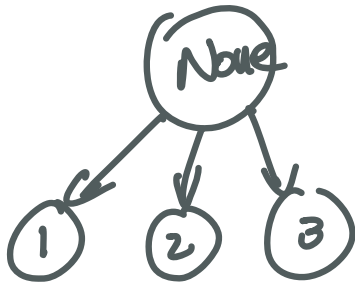


What do our Representation Invariants prohibit?

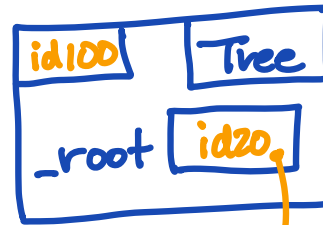
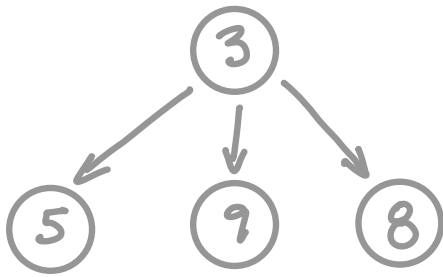
This is not allowed \rightsquigarrow



So we could never represent a tree with None as an item inside it, such as this tree



Another way to represent trees : with a separate node class.



meta-data could go here, once

