

1) $\text{gcd}(x, y, z)$ (var should be upper case)

$\text{gcd}(x, 0, x)$

:- "if"

$x=3, y=0$

$\frac{1}{1}, \frac{3}{3}$

$\frac{x}{1}, \frac{x}{3}$

$y=0=0, \frac{0}{2}=0$

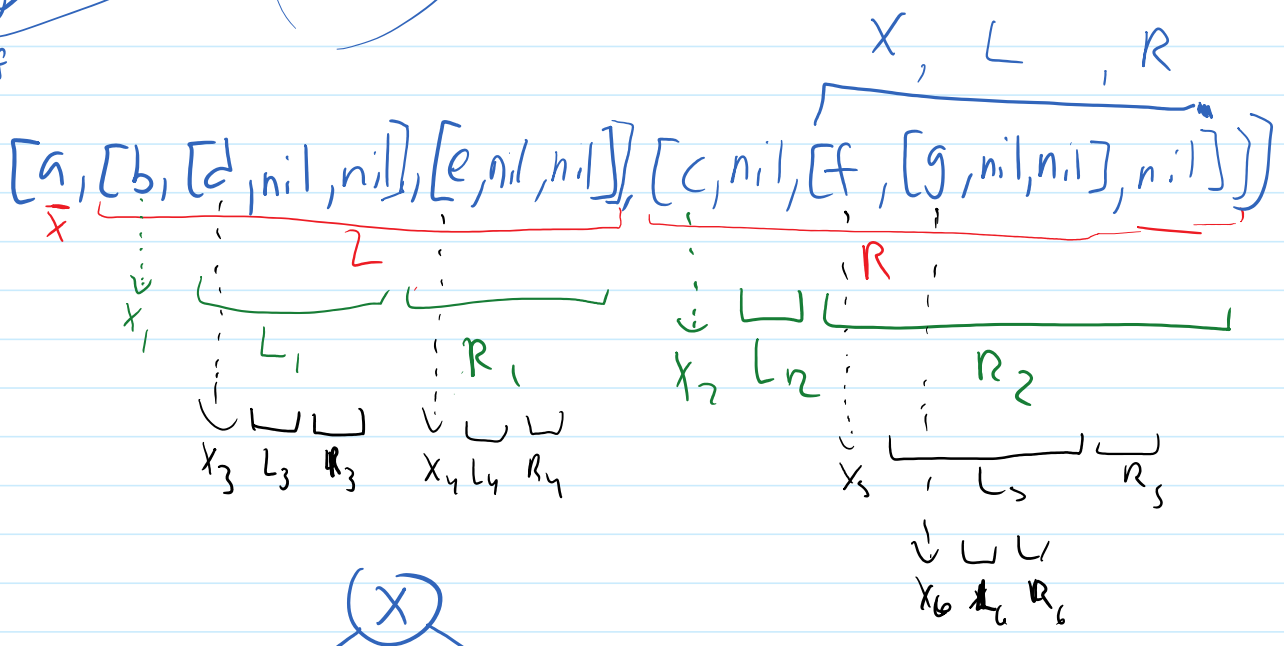
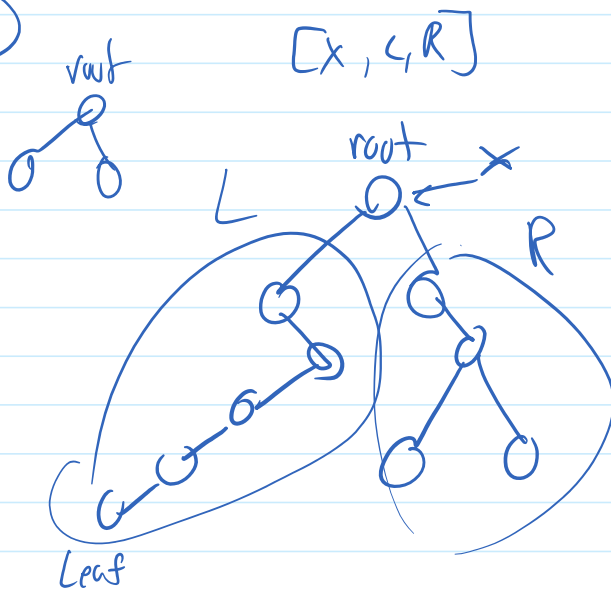
"and"

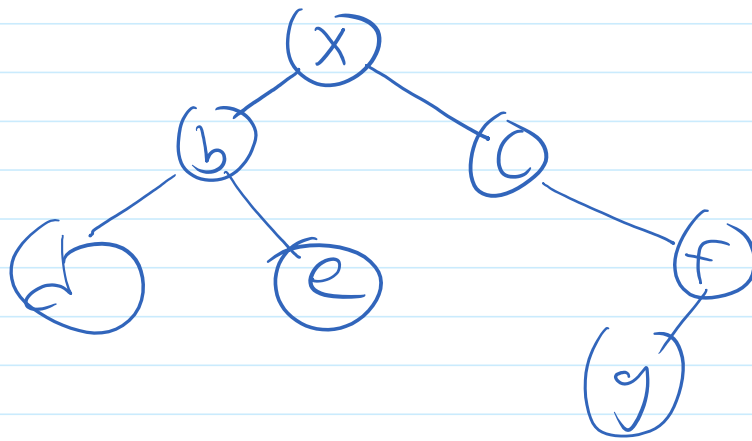
ans $\text{gcd}(x, 0, x) :- x > 0$

$\text{gcd}(x, y, G) :- z \text{ is } x \bmod y, \text{gcd}(y, z, G)$

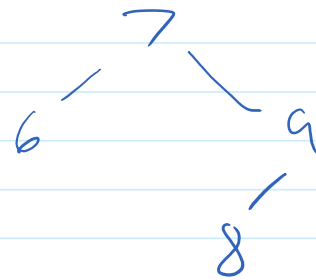
//both have to be true

2)





$\bar{x}_b \bar{L}_b R_b$



isTree(nil)

isTree(L, L, R) ^{"if"} [?] isTree(L) [?] isTree(R) [?]
 ↳ use underscore
 ↳ we aren't using it in code but it still matters.
 The root is not being used and is not given "Temp variable"