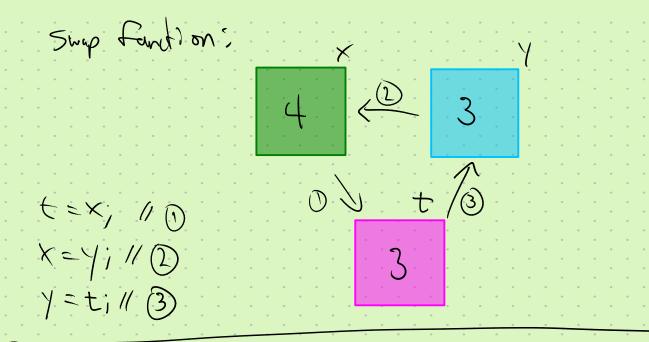
Functions <u>C</u> ++ math class double f (double); J:R->R "fis a Andin from real AS to real #5" $X \longrightarrow X^2 + 1$ double & (double x) double $y = x \times x + 1$; return y; $f(x) = x_x + 1$ Key differences with rath functions:

- functions most be "nulti valuad" or
non-determining non-deterministic. - Might have useful side-effects (e.s. printing to stlast)



Is t necessary?
$$X = Y = X$$
; $= X = (Y = X)$; What about anithmetic? or algebra?