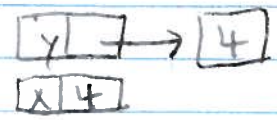
Q5

let y = ref 1

let x = 2 in

let f = let x = !y + 3

in (y := 4 ; fun u → u + x + !y) in 

let x = 3 in

y := !y + 2

f (!y + 3)

So, the final int is 19 because f didn't use the overshadowed x.