

The process for evaluating  $(f\ f)$  is

$(f\ f)$   
 $(f\ 2)$   
 $(2\ 2)$

where the remaining operator  $2$  is not a procedure. Note that the expression  $(f\ 2)$  is not the second argument being evaluated to  $2$ , but is the application of  $f$  to the operand  $f$ .