input: number $x$, list $L$ of numbers such that $x$ occurs in $L$
output: the list consisting of all elements of $L$ except for the first occurrence of $x$

original input: 1, (3 1 4 1 5 9)
  recursive input: 1, (1 4 1 5 9)
  recursive output: (4 1 5 9)

original output: (3 4 1 5 9)

original input: 1, (1 4 1 5 9)

original output: (4 1 5 9)

Quiz: Write omit-from