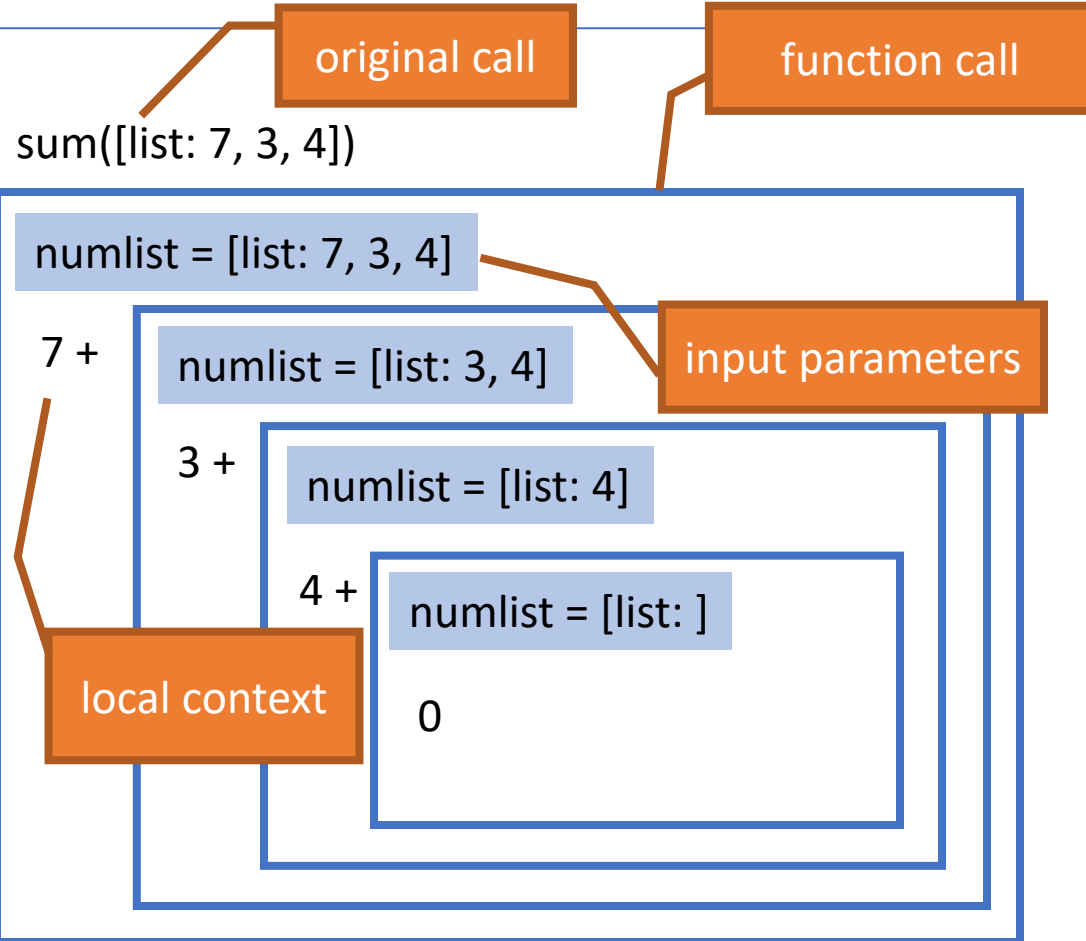


```
fun sum(numlist :: List<Number>) -> Number:  
  doc: "sums numbers in list"  
  cases (List) numlist:  
    | empty => 0  
    | link(fst, rst) => fst + sum(rst)  
  end  
end
```



This slide shows a **FUNCTION CALL DIAGRAM**.

It starts with a concrete example.

Each time a function gets called, we draw a box. The parameters are listed in the shaded area inside the box. When the function call finishes, we erase the box (and its contents).

The **local context** is the part of the computation that is waiting on the result of the function call.

