







• Write a function lreduce that takes a 2-argument function F, a list $[a_1, \ldots, a_n]$ and produces $F(\ldots F(F(a_1, a_2), a_3) \ldots, a_n)$

If the list is empty the function raises an exception





- Write a curried function substring that takes two parameters and checks whether the first is a substring of the second
- Hint: test for sublists, then use explode



 Write, in curried form, a function makeFnList that takes a function F from D to R. The result should be a function G that takes a list of elements of type D and that applies F to each element in the list





- In the following exercise, use map, foldr and foldl
 - Define a function that turns an integer list L (e.g., L= $[^{1},^{1},0,3]$) into a list of reals, each of which is the absolute value of the elements in L, (e.g.,

o abs: int -> int can be used for computing the absolute
value





- In the following exercise, use map, foldr and foldl
 - Define the function concat, e.g., concat["hello","
 ","world"]="hello world"