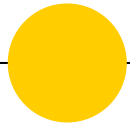


Map, reduce, filter

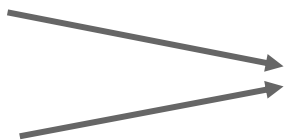




Map

$[m, n, p]$

$f()$



map



$[f(m), f(n), f(p)]$

*Input: a list
and a function*

Output: a new list, function
applied to each element*

**iterator*

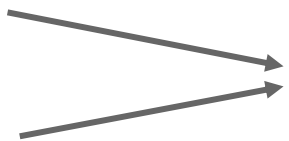


Filter

[m, n, p]

c()

*Input: a list and a
condition (a function that
outputs true or false)*



filter



[m, n]

c(m) == True
c(n) == True
c(p) == False

Output: new list with
elements for which the
function returns true*

**iterator*



Reduce



Input: a list and a function that takes two arguments

Output: list with function applied to sequential pairs*

**iterator*