

```
fun append (xs,ys) =  
  if xs=[]  
  then ys  
  else (hd xs)::append(tl xs,ys)  
  
fun map (f,xs) =  
  case xs of  
    [] => []  
  | x::xs' => (f x)::(map(f,xs'))  
  
val a = map (increment, [4,8,12,16])  
val b = map (hd, [[8,6],[7,5],[3,0,9]])
```

Programming Languages

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Unnecessary Function Wrapping

A style point

Compare:

```
if x then true else false
```

With:

```
(fn x => f x)
```

So don't do this:

```
n_times((fn y => t1 y), 3, xs)
```

When you can do this:

```
n_times(t1, 3, xs)
```