





```
-- This is a fold left of Ints
-- The left means we reduce (or traverse) from the left
foldlInt: (Int -> List Int -> List Int) -> Int -> List Int -> Int
foldlInt func aggVal list =
    case list of
            aggVal
        X :: XS ->
            foldl func (func x aggVal) xs
```

## Ooh, we've got that "higher order functions" thing again

(A function that takes a function in this case)



```
-- This is a fold left of Ints
-- The left means we reduce (or traverse) from the left
foldlInt: (Int -> List Int -> List Int) -> Int -> List Int -> Int
foldlInt func aggVal list =
    case list of
    [] ->
        aggVal

    X :: xs ->
        foldl func (func x aggVal) xs
```