

# Recursive Haskell!

## Homework 6

Due: Tuesday Nov 24th, 4pm (start of class)

- Define recursive function `merge :: Ord a => [a] -> [a] -> [a]` that merges two sorted lists to give a single sorted list.

```
> merge [2,5,6] [1,3,4]
[1,2,3,4,5,6]
```

- Test out your function with Haskell.
- You should assume that the input is sorted.
- You should not use any extra functions, like `insert`.
- Hand in your Haskell code, and your test cases. You need test cases. (This can be one piece of paper, if you wish).