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CPSC 326

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## Homework 10

### Test Results

```
PS C:\Users\turne\OneDrive - Gonzaga University\CPSC326\hw10-NoemiTurner> ghci main.hs -e main
member 1 [Pass]
member 2 [Pass]
member 3 [Pass]
member 4 [Pass]
member 5 [Pass]
member 6 [Pass]
add 1 [Pass]
add 2 [Pass]
add 3 [Pass]
remove 1 [Pass]
remove 2 [Pass]
remove 3 [Pass]
size 1 [Pass]
size 2 [Pass]
size 3 [Pass]
subset 1 [Pass]
subset 2 [Pass]
subset 3 [Pass]
subset 4 [Pass]
subset 5 [Pass]
union 1 [Pass]
union 2 [Pass]
union 3 [Pass]
union 4 [Pass]
intersect 1 [Pass]
intersect 2 [Pass]
intersect 3 [Pass]
intersect 3 [Pass]
```

```
difference 1 [Pass]
difference 2 [Pass]
difference 3 [Pass]
difference 4 [Pass]
difference 5 [Pass]
difference 6 [Pass]
filterSet 1 [Pass]
filterSet 2 [Pass]
filterSet 3 [Pass]
toList 1 [Pass]
toList 2 [Pass]
toList 3 [Pass]
PS C:\Users\turne\OneDrive - Gonzaga University\CPSC326\hw10-NoemiTurner> █
```

## Issues/Challenges

I had some difficulty writing tests because even though order doesn't matter with sets, it does when you are comparing strings in the test cases. I also think there might've been some edge cases related to empty sets that I missed while testing some of my functions. It was also tricky to make sure my pattern matching cases were exhaustive.

Once I reviewed set theory, practiced using Haskell guards, and figured out some syntax errors, I was able to finish the assignment without too many issues.