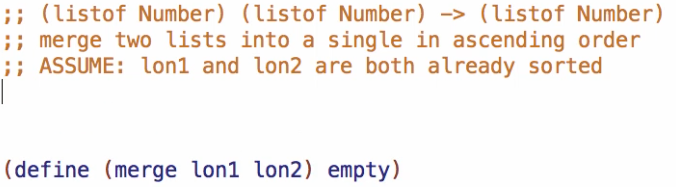
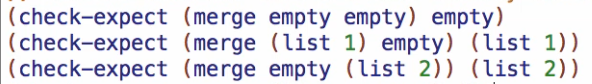
Working through the wish list entry for **merge** Function

**Signature, purpose, and stub**

****

**Examples**

Simple cases

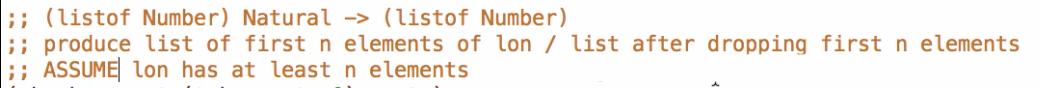


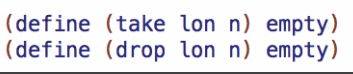
Longer cases



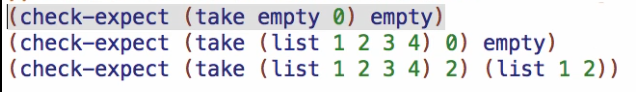
Working through the wish list entries for both **take** and **drop** Function

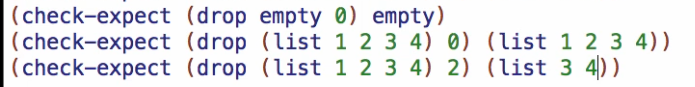
**Signature, purpose, and stub**

****

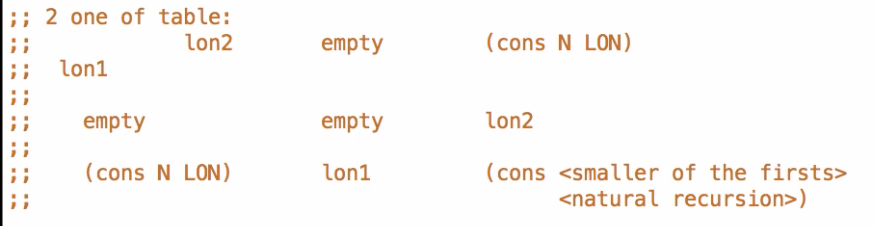
****

**Examples**

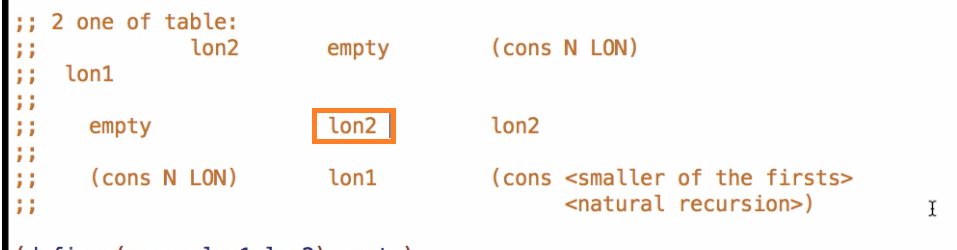




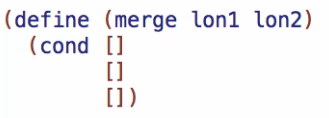
Finishing **merge** Function



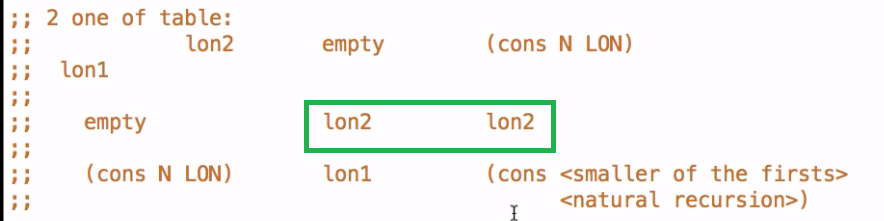
* 4 case table
* But empty can be equal to lon2 (empty) when both lon1 and lon2 are empty

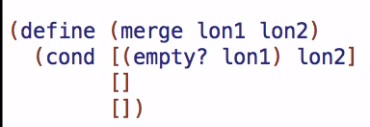


* So it becomes a 3 case table

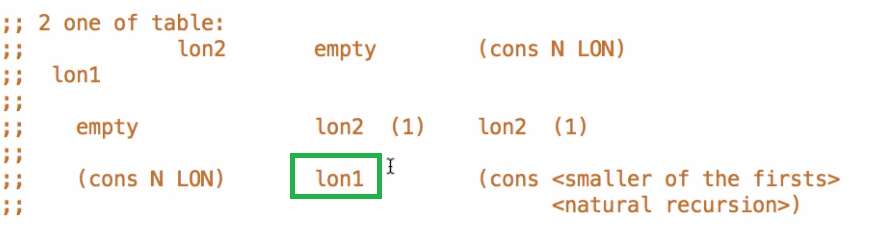


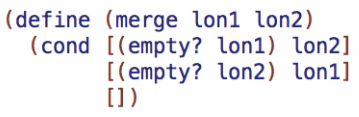
First case:



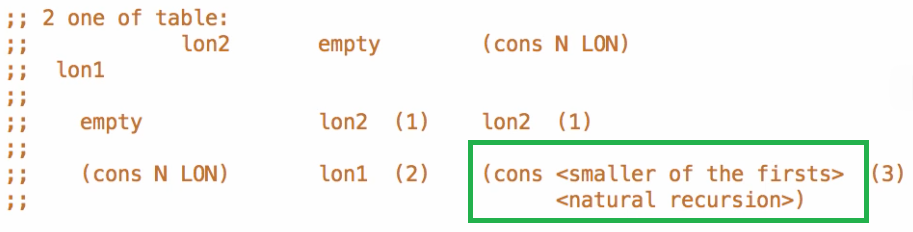


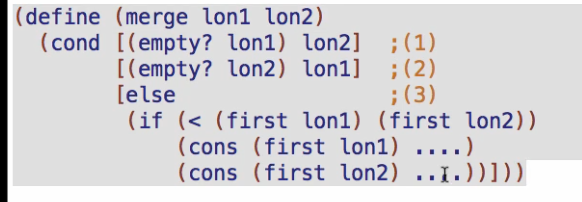
2nd case:

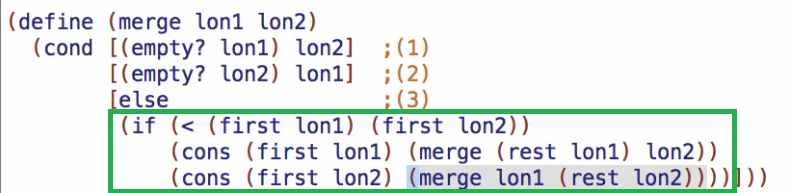




3rd case:







Working through **take** and **drop**

* There are functions in racket/list package for take and drop so we can now comment out the wish list for it
* Require that package
* 

Run and debug!