Solutions To Extra Recursion Problems Spring 2015:
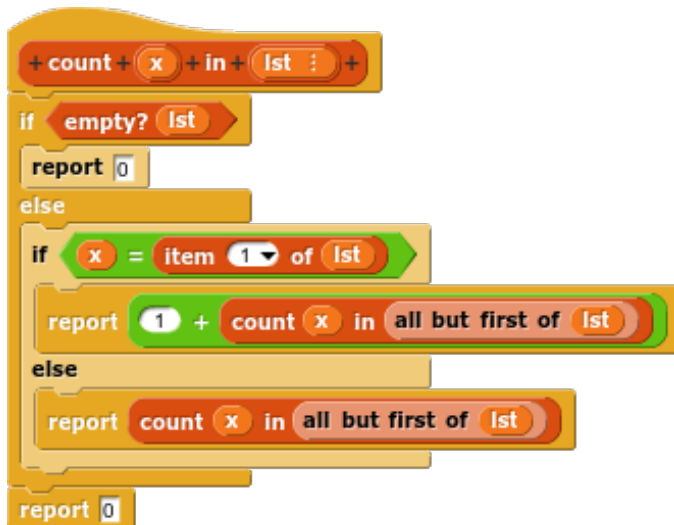
Count the number of times that a character or number appears in list (By Franklin Lee):

```
+ count + (x) + in + (lst ⋮) +
if  empty? (lst)
  report 0
else
  if  (x) = (item 1▾ of (lst))
    report (1) + (count (x) in (all but first of (lst)))
  else
    report (count (x) in (all but first of (lst)))
report 0
```

Find the largest number in a list (By Franklin Lee):

```
+ max + item + of + (lst ⋮) +
if  empty? (lst)
  report 0
else
  script variables (max) ▶
  set  max▾  to  (max item of (all but first of (lst)))
  if  (item 1▾ of (lst)) > (max)
    report (item 1▾ of (lst))
  else
    report (max)
report 0
```

Remove certain items from a list (By Andy Schmitt):

Use remove items to remove characters from a word: