Recursion Exercises

```
def sum_list(L):
  11 11 11
  Return the sum of all ints in L.
  @param int|list[int|list[...]] L: possibly-nested list of ints, finite depth
  >>> sum_list([1, [2, 3], [4, 5, [6, 7], 8]])
  36
  >>> sum([])
  11 11 11
  if isinstance(L, list):
      return sum([sum_list(x) for x in L])
  else:
      return L
1. What helper methods does this function call?
2. So far, we haven't confirmed that the function works in any cases. Trace this call: sum_list(27)
3. Complete the following trace of this call: sum_list([4, 1, 8])
   sum_list([4, 1, 8]) --> sum([ sum_list(4), sum_list(1), sum_list(8) ])
                         --> sum( [
                         -->
4. Trace this call: sum_list([4])
5. Trace this call: sum_list([])
```

