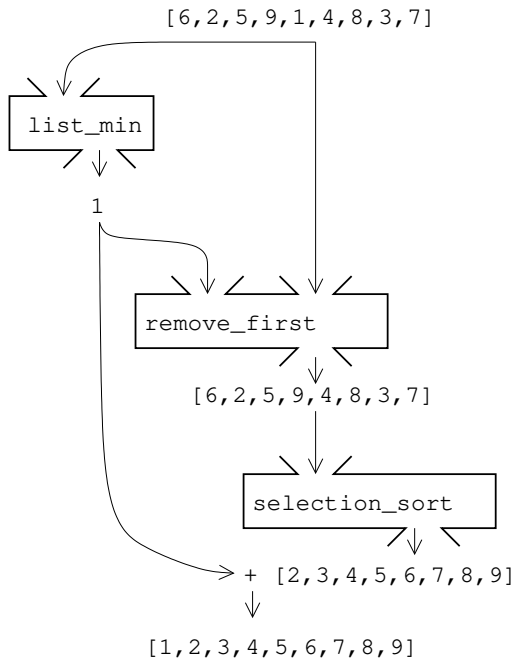


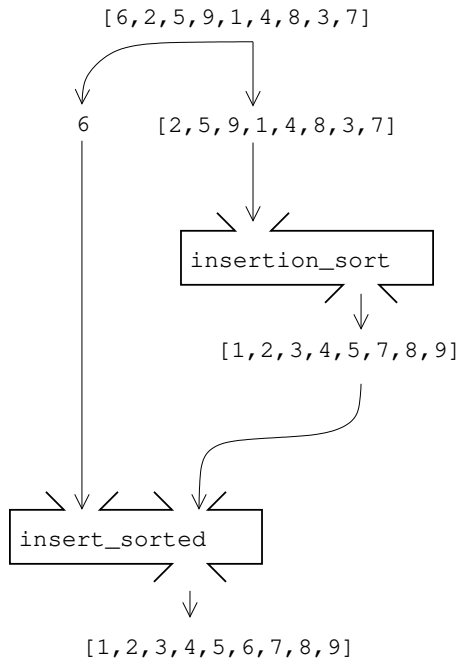
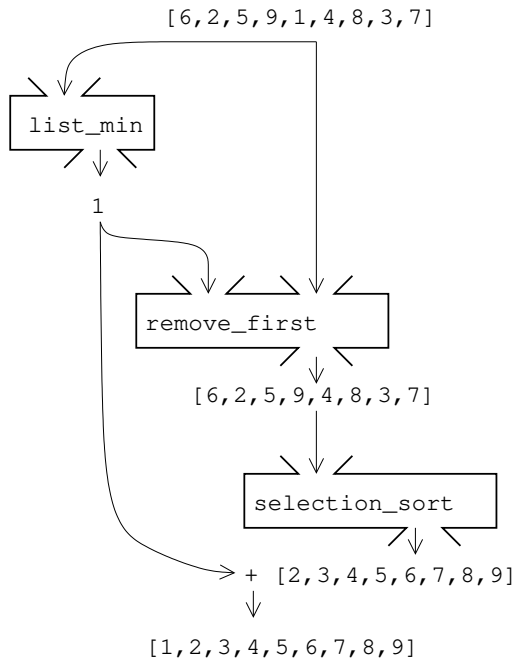
Chapter 2 outline:

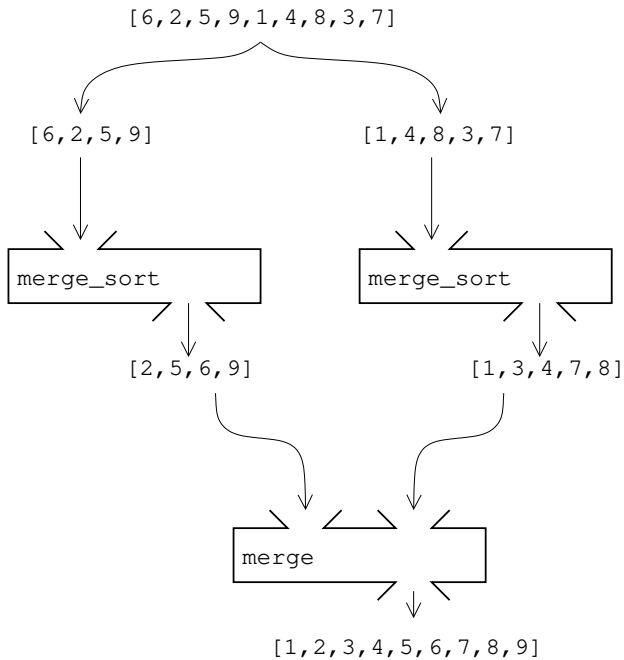
- ▶ Mathematical sequences and Python lists (last week Wednesday)
- ▶ Recurrence relations and recursive functions (last week Friday)
- ▶ Functions on lists (Monday)
- ▶ More functions on lists (**today**)
- ▶ Arrays, vectors, and intervals (Friday)
- ▶ Review Chapter 1 & 2 (next week Monday)
- ▶ Test on Chapters 1 & 2 (next week Wednesday, Sept 25)

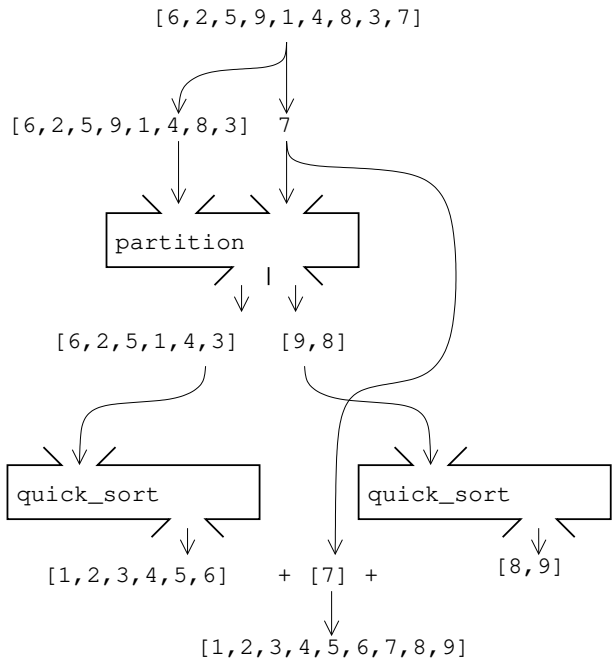
Today:

- ▶ Principles of recursive functions on lists
- ▶ Examples (left over from last time)
- ▶ Sorting algorithms
 - ▶ Selection sort (worked out in book)
 - ▶ Insertion sort (Ex 2.3.(12 & 13)—work out in class)
 - ▶ Merge sort (Ex 2.3.(14 & 15)—HW for next time)
 - ▶ Quick sort (Ex 2.3.(16 & 117)—HW for next time)









For next time:

Do Exercises 2.3.(14–17).

(All programming—nothing on paper this time)

Read Section 2.4

Take quiz (short)