

Solutions

Each answer shows the steps, then the **result**.

2.1

- it checks the middle element, then calls itself on the half that could contain the target

2.2

- split into two halves; sort each half; merge them

2.3

- it merges the two sorted halves into one sorted list

3.1 B

3.2 B

3.3

(a)

- split the list into two halves

(b)

- each half is sorted (recursively)

(c)

- merge the two sorted halves