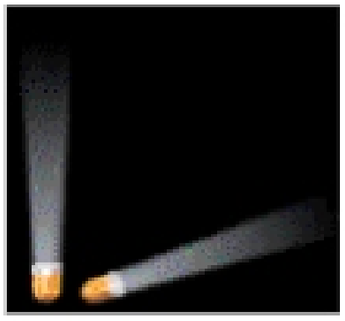
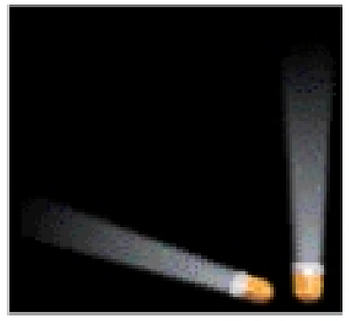
Divide And Conquer





- Distinguish between small and large instances.
- Small instances solved differently from large ones.

Small And Large Instance

- Small instance.
  - Sort a list that has n <= 10 elements.
  - Find the minimum of n <= 2 elements.
- Large instance.
  - Sort a list that has n > 10 elements.
  - Find the minimum of n > 2 elements.

Solving A Small Instance

- A small instance is solved using some direct/simple strategy.
  - Sort a list that has n <= 10 elements.
    - Use count, insertion, bubble, or selection sort.
  - Find the minimum of n <= 2 elements.
    - When n = 0, there is no minimum element.
    - When n = 1, the single element is the minimum.
    - When n = 2, compare the two elements and determine which is smaller.