• **File.open** vs **File.new**
  – With no associated block, **open** is a synonym for **File.new**. If the optional code block is given, it will be passed **file** as an argument, and the file will automatically be closed when the block terminates. In this instance, **File.open** returns **nil**.
  – **File.open**( **fileName**, aMode**="r"* || **file**( **block**) -> **nil**
  – Use **file.close** to otherwise close file

• Regular Expression performance?
  – Option 1: build finite state machine
    • Relies on the construction of DFA – O(2ⁿ)
    • Running time of O(n)
  – Option 2: backtracking
    • Build solutions and discard along the way
    • Runtime is exponential
    • Greater flexibility and expressive power (back references)
  – Option 3: combine 1 and 2