Python Programming challenges

- 1. Write a python script that finds the 5 largest files inside a directory (searching recursively in subdirs)
- 2. Write a python script that computes the frequency of occurence of words in a text file (bonus point: plot Zipf's curve)
- 3. Solve the connectivity problem (see figure)
- 4. Implement a simulator of a Turing machine (see Roger Penrose's chapter's on Turing machines)
- 5. Get textual data from the Internet, estimate word transition probabilities and generate random text: http://rpubs.com/ewan_dunbar/206871