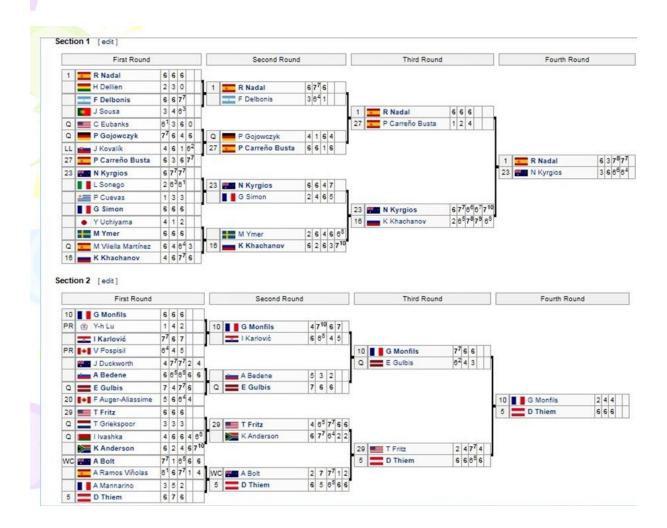


Homework

Create a text file AUOpen.txt containing the names of tennis players participating in the Australian Open tournament, one player per line. The number of player is the power of 2 and a minimum of 16 people.

Build a tree describing the competition results until the final. Initially, the (16) opponents are leaf nodes, the winner will be stored at the parent node of a pair of players. The winner of a match is randomly selected.

Print the results of the matches (tree content) to the screen and file treegame.txt



Homework

- Create a student list file of your class.
- Write a student management program that uses a binary search tree with nodes that are student names, knowing that the comparison between names based on the Vietnamese name matching principle is as follows:
- Compare first name (in alphabetical order), then middle name, then last name
- The program has the function of displaying the class list sorted in ascending order to the screen and searching students

Homework

- Rewrite PhoneDB management program using BST. The searching key in a node is the phone model.
- Required Features: Import data from text file, Import data from dat file, Add phone model, Delete, Update, Searching, Displaying and Save data to File PhoneDB.dat.