



Greedy algorithm for Huffman's tree:

Compute frequencies of all characters in S

PQ := new priority queue

for all characters x in the alphabet do

    T := new leaf(x);

    PQ.insert(T, f(x));

while PQ contains more than one tree do

    T1:=PQ.extractMin;

    T2:=PQ.extractMin;

    T:=new tree where T1 is a left child  
                    and T2 is a right child;

    PQ.insert(T, f(T));

return PQ.extractMin;