DIAMETER OF A TREE

**int dfs(int u, int father)**

**{**

**if(!bt[u]) bt[u]=1,cnt++;**

**int first=0,second=0;**

**for(int j = 0; j < mnmy[u].size(); j++)**

**{**

**int v = mnmy[u][j];**

**if(v == father) continue;**

**int temp = dfs(v,u)+1;**

**if(temp > first) second = first,first = temp;**

**else if(temp > second) second = temp;**

**}**

**if(first+second > len) len = first+second;**

**return first;**

**}**

**Converting**

stringstream ss;

ss<<hex<<result[i]; //input as needed

//ss<<something

buffer = ss.str(); //output to as needed

//ss>>something