#include<iostream>

using namespace std;

void printMazePaths(int sr, int sc, int dr, int dc, string psf) {

if(sr==dr && sc==dc){

cout<<psf<<endl;

return;

}

int i=1,j=1,k=1;

while(j<=dc-sc){

string ii = to\_string(j);

printMazePaths(sr,sc+j,dr,dc,psf+"h"+ii);

j++;

}

while(i<=dr-sr){

string ii = to\_string(i);

printMazePaths(sr+i,sc,dr,dc,psf+"v"+ii);

i++;

}

while(k<=dr-sr && k<=dc-sc){

string ii = to\_string(k);

printMazePaths(sr+k,sc+k,dr,dc,psf+"d"+ii);

k++;

}

}

int main() {

int n ;

int m ;cin>>n>>m;

printMazePaths(0, 0, n - 1, m - 1, "");

}