//ride

/\*

ID: anakaga1

LANG: C++

TASK: ride

\*/

/\* Psudocode

convert the String(alphabet) into integers

then we multiply each integer by recursion and mod the total.

=> check integer1 (a) and integer2 (b). If f(a) == f (b), GO if not, STAY

\*/

/\* New Usgage in C++ programming

In C++, ? is used like... 'Condition' ? 'result1' : 'result2';

<fstream> can be used for inputing and outputing... ifstream i("nameOfFile") ofstream o("file")

ascii code; get the ascii value by substract -64.

\*/

#include <fstream>

#include <iostream>

#include <string>

using namespace std;

int convertToNumber(string s)

{

return (s.size() ? (s[0] - 64) \* convertToNumber(s.substr(1)) : 1) % 47;

}

int main(){

ifstream cin ("ride.in");

ofstream cout ("ride.out");

string first;

string second;

cin >> first >> second;

cout << (convertToNumber(first) == convertToNumber(second) ? "GO\n" : "STAY\n"); //if first == second, then "GO", if not "STAY"

}