#include <iostream>

using namespace std;

string codes[] = {".;", "abc", "def", "ghi", "jkl", "mno", "pqrs", "tu", "vwx", "yz"};

void printKPC(string ques, string ans){

// base case

if(ques.size()==0){

cout<<ans<<endl;

return;

}

//actual code

char ch = ques[0];

string roq = ques.substr(1);

int idx = ch - '0';

string s = codes[idx];

for(auto ss: s){

printKPC(roq,ans+ss);

}

}

int main(){

string str;

cin >> str;

printKPC(str, "");

}