#include <iostream>

#include <vector>

#include <algorithm>

using namespace std;

int main() {

long long n;

cin >> n;

vector<long long> vec(n);

long long max = -1;

for(long long i = 0; i < n ; i++){

long long aux;

cin >> aux;

vec[i] = aux;

if(aux > max){

max = aux;

}

}

vector<pair<long long, long long>> memo(max);

for(long long i = 0 ; i < (long long)memo.size() ; i++){

memo[i] = pair<long long, long long>(0,-1);

}

long long indexMaxMemo = 0;

for(long long i = 0 ; i < (long long)vec.size() ; i++){

//cout << "Entrei" << endl;

if(memo[vec[i]-1].first+1 > memo[vec[i]].first){

if(vec[i]-1 >= 0){

memo[vec[i]].first = memo[vec[i]-1].first+1;

memo[vec[i]].second = i;

}

}

if(memo[vec[i]].first > memo[indexMaxMemo].first){

indexMaxMemo = vec[i];

}

}

//for(long long i = 0 ; i < (long long)memo.size() ; i++){

// cout << memo[i].first << endl;

//}

//cout << endl << endl;

//cout << memo[indexMaxMemo].first << endl;

vector<long long> answer;

while(memo[indexMaxMemo].first != 0){

//cout << memo[indexMaxMemo].second+1 << endl;

answer.push\_back(memo[indexMaxMemo].second+1);

indexMaxMemo--;

}

for(long long i = (long long)answer.size() - 1 ; i >= 0 ; i--){

if(i == (long long)answer.size() - 1) cout << answer[i];

cout << " " << answer[i];

}

cout << endl;

}