#include<iostream>

using namespace std;

class num {

private:

int\* arr;

int size;

public:

num(int n) {

arr = new int[n];

size = n;

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

arr[i] = i;

}

cout << "constructor " << this << endl;

}

num(const num& other) {

this->arr = new int[other.size];

this->size = other.size;

for (int i = 0; i < other.size; i++) {

this->arr[i] = other.arr[i];

}

cout << "copy constructor " << this << endl;

}

~num() {

delete arr;

cout << "destructor " << this << endl;

}

};

void main() {

num k(6);

num m(k);

}