#include <iostream>

using namespace std;

struct stack

{

int x;

stack\* next;

};

stack\* push(int a, stack\* stk)

{

stack\* temp = new stack;

temp->x = a;

temp->next = stk;

return temp;

}

void show(stack\* stk)

{

while (stk != NULL)

{

cout << stk->x << " ";

stk = stk->next;

}

}

void clear(stack\* stk)

{

while (stk != NULL)

{

stack\* temp = stk->next;

delete stk;

stk = temp;

}

}

stack\* maxstack(stack\* qq)

{

stack \* max = qq;

stack\* t = qq->next;

while (t)

{

if (t->x > max->x)

max = t;

t = t->next;

}

cout << "max: " << max->x << endl;

return max;

}

stack\* q(stack\* stk)

{

int i, n, in;

cout << "Введите количество = "; cin >> n;

for (i = 1; i <= n; i++)

{

cout << "Элемент " << i << " = ";

cin >> in;

stk = push(in, stk);

}

return stk;

}

void vstavka(stack\* a)

{

stack\* tmp = a->next;

a->next = new stack;

a->next->x = a->x \* 2;

a->next->next = tmp;

}

void main()

{

setlocale(LC\_ALL, "ru");

stack\* stk = NULL;

stk = q(stk);

show(stk);

stack\* k = maxstack(stk);

vstavka(k);

cout << endl;

show(stk);

cout << endl;

clear(stk);

}