#include <iostream>

using namespace std;

void xuat(float ds[], int n)

{

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

{

cout << ds[i] << "\t";

}

cout << endl;

}

int max(float ds[], int left, int right){

int n = right - left + 1;

if(n <= 2)

return ds[left] > ds[right] ? left : right;

else{

int mid = (left + right) / 2;

int i1 = max(ds, left, mid);

int i2 = max(ds, mid + 1, right);

return ds[i1] > ds[i2] ? i1 : i2;

}

}

int main()

{

float ds[] = {

0.1,

11.0,

1.2,

12.2,

2.2,

13.3,

3.3,

14.5,

4.3,

15.5,

5.5,

16.6,

6.6,

17.7,

7.7,

18.8,

8.8,

19.9,

9.9,

20.1,

10.1,

21.1,

};

int n = 22;

xuat(ds, n);

int i = max(ds, 0, n - 1);

cout << "Max: " << ds[i];

return 0;

}