函数含义：

Top()返回最大值或最小值

Pop()删除最大值或最小值

Empty()判断队列是否为空

Push(int x)插入值为x的元素

#include <bits/stdc++.h>

using namespace std;

struct pri\_que {

int a[1000010] , siz;

void clear() {

memset(a , 0 , sizeof(a));

siz = 0;

}

void push(int dat) {

a[++siz] = dat;

int p = siz;

while(p > 0)

if(a[p] < a[p / 2]) {

swap(a[p] , a[p / 2]);

p /= 2;

}

else

return;

}

void pop() {

int p = 1;

a[p] = a[siz];

siz--;

while(p <= siz) {

int u ;

if(p \* 2 + 1 <= siz)

u = a[p \* 2] < a[p \* 2 + 1] ? p \* 2 : p \* 2 + 1;

else

u = p \* 2;

if(u > siz)return;

if(a[p] < a[u])return;

swap\_(a[p] , a[u]);

p = u;

}

}

bool empty(){  
 return siz?0:1;

}

int top() {

return a[1];

}

}q;

int main() {

int n;

scanf(“%d”, & n);

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

int op;

scanf(“%d”, & op);

switch(op) {

case 1 :

q.push(read());

break;

case 2 :

printf("%d\n" , q.top());

break;

case 3 :

q.pop();

break;

break;

}

}

return 0;

}