单调队列——滑动窗口

const int maxn = 1000000;

struct Node{int val, pos;};

Node q1[maxn], q2[maxn];

int n, k, num, cur;int head1, tail1, head2, tail2;

int cur1[maxn], cur2[maxn];

int main(){

scanf("%d%d",&n,&k);

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

scanf("%d",&num);

while (head1 < tail1 && q1[tail1 - 1].val >= num) --tail1;

q1[tail1].val = num;q1[tail1++].pos = i;

while (head2 < tail2 && q2[tail2 - 1].val <= num) --tail2;

q2[tail2].val = num;q2[tail2++].pos = i;

}

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

cur1[++cur] = q1[head1].val;

cur2[cur] = q2[head2].val;

scanf("%d",&num);

while (head1 < tail1 && i - q1[head1].pos >= k) ++head1;

while (head1 < tail1 && q1[tail1 - 1].val >= num) --tail1;

q1[tail1].val = num;q1[tail1++].pos = i;

while (head2 < tail2 && i - q2[head2].pos >= k) ++head2;

while (head2 < tail2 && q2[tail2 - 1].val <= num) --tail2;

q2[tail2].val = num;q2[tail2++].pos = i;

}

cur1[++cur] = q1[head1].val;

cur2[cur] = q2[head2].val;

for (int i=1;i<=n-k+1;i++) printf("%d ",cur1[i]);

printf("\n");

for (int i=1;i<=n-k+1;i++) printf("%d ",cur2[i]);

return 0;

}