

```

1  #include <bits/stdc++.h>
2  #include <ext/pb_ds/assoc_container.hpp>
3  #include <ext/pb_ds/tree_policy.hpp>
4  #include <ext/pb_ds/detail/standard_policies.hpp>
5  using namespace __gnu_pbds;
6  using namespace std;
7
8  //for ordered set
9  typedef tree<
10         int,
11         null_type,
12         less<int>,
13         rb_tree_tag,
14         tree_order_statistics_node_update
15     > ordered_set;
16
17 //for ordered multiset
18 typedef tree<
19         int,
20         null_type,
21         less_equal<int>,
22         rb_tree_tag,
23         tree_order_statistics_node_update
24     > ordered_set;
25
26 //Priority-queue with increasing order:
27 priority_queue<int , vector<int> , greater<int>> q;

```