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1  /***** Nafee's common starting *****/
2  #include <bits/stdc++.h>
3  #include <ext/pb_ds/assoc_container.hpp> // Common
file
4  #include <ext/pb_ds/tree_policy.hpp> // Including
tree_order_statistics_node_update
5  #include <ext/pb_ds/detail/standard_policies.hpp>
6  using namespace std;
7  using namespace __gnu_pbds;
8  using namespace __gnu_cxx;
9  // Order Statistic Tree
10 /* Special functions:
11     find_by_order(k) --> returns iterator to the
kth largest element counting from 0
12     order_of_key(val) --> returns the number of
items in a set that are strictly smaller than our item
13 */
14 typedef tree<
15 int,
16 null_type,
17 less<int>,
18 rb_tree_tag,
19 tree_order_statistics_node_update>
20 ordered_set;
21 /***** END OF HEADER *****/
22 int main()
23 {
24     freopen("input.txt", "r", stdin);
25     freopen("output.txt", "w", stdout);
26     return 0;
27 }
28

```