

```
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.
12.     find_by_order(k) --> returns iterator to the kth largest element counting from 0
13.     order_of_key(val) --> returns the number of items in a set that are strictly smaller
14.     than our item
15. */
16. typedef tree<
17.     int,
18.     null_type,
19.     less<int>,
20.     rb_tree_tag,
21.     tree_order_statistics_node_update>
22.     ordered_set;
23. /****** END OF HEADER *****/
24. int main()
25. {
26.     freopen("input.txt", "r", stdin);
27.     return 0;
28. }
```