1. Stacks

```
top():-O(1)
push():-O(1)
pop():-O(1)
size():-O(1)
```

2. Queues

```
front() :- O(1)
back() :- O(1)
push() :- O(1)
pop() :- O(1)
size() :- O(1)
```

3. Vectors

4. Array

```
lower_bound() :- O(n)
upper_bound() :- O(n)
next permutation() :- O(n!)
```

5. Pair

```
make_pair() :- O(1)
first() :- O(1)
second :- O(1)
```

6. Priority Queue

```
top() :- O(1)
size() :- O(1)
push(), pop() :- O(log n)
```

7. Map

```
insert() :- O(log_2n)
find() :- O(log_2n)
end() :- O(1)
```

```
begin() :- O(1)
```

8. Set

```
insert() :- O(log_2\underline{n})
size() :- O(1)
begin() :- O(1)
erase() :- O(1)
```

9. MultiSet

```
begin():-O(1)
empty():-O(1)
end():-O(1)
size():-O(1)
clear():-O(n)
insert(), find():-O(log n)
```

10. Double Ended Queue

```
push_back() :- O(1)
begin() :- O(1)
end() :- O(1)
push_front() :- O(1)
pop_front() :- O(1)
pop_back() :- O(1)
size() :- O(1)
```