

```
1 #include <...>
2
3
4 int main() {
5     DynamicQueue Queue;
6     Queue.insert('b');
7     Queue.insert('t');
8     Queue.insert('s');
9     Queue.insert('a');
10    Queue.insert('c');
11    Queue.insert('c');
12    Queue.insert('s');
13
14    return 0;
15 }
```

Run: Queue

C:\Users\Jeffr\CLionProjects\Queue\cmake-build-debug\Queue.exe

Read key b. Inserting b in rear. Queue: b->

Read key t. Inserting t in rear. Queue: b->t->

Read key s. Inserting s in rear. Queue: b->t->s->

Read key a. Inserting a in rear. Queue: b->t->s->a->

Read key c. Queue is full, removing front. Inserting c in rear. Queue: t->s->a->c->

Read key c. Key c is already rear. Queue: t->s->a->c->

Read key s. Moving s to rear. Queue: t->a->c->s->

Process finished with exit code 0

```
1 #include <...>
2
3
4 int main() {
5     DynamicQueue Queue;
6     Queue.insert('a');
7     Queue.insert('b');
8     Queue.insert('w');
9     Queue.insert('b');
10    Queue.insert('z');
11    Queue.insert('e');
12
13    return 0;
14 }
```

Run: Queue

C:\Users\Jeffr\CLionProjects\Queue\cmake-build-debug\Queue.exe

Read key a. Inserting a in rear. Queue: a->

Read key b. Inserting b in rear. Queue: a->b->

Read key w. Inserting w in rear. Queue: a->b->w->

Read key b. Key already in queue, moving b to rear. Queue: a->w->b->

Read key z. Inserting z in rear. Queue: a->w->b->z->

Read key e. Queue is full, removing front. Inserting e in rear. Queue: w->b->z->e->

Process finished with exit code 0

