Lower Bound

```
template <class ForwardIterator, class T, class Compare>
ForwardIterator lower_bound(ForwardIterator first, ForwardIterator last,
        const T& value, Compare comp)
   auto n = distance(first, last);
   while (n != 0) {
        auto h = n / 2;
        auto m = next(first, h);
        if (comp(*m, value)) {
            first = next(m);
            n -= h + 1;
       } else { n = h; }
   return first;
```