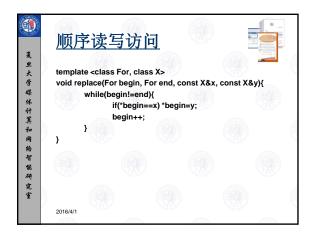




```
template <class In, class X>
In find(In begin, In end, const X&x){
while(begin!=end && *begin != x)
++begin;
return begin;
}

template <class In, class X>
In find(In begin, In end, const X&x){
while(begin==end || *begin == x)
return begin;
begin++;
return find(begin,end,x);
}
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```



```
template <class Ran, class X>bool binary_search(Ran begin, Ran end, const X &x){
while(begin < end){
Ran mid=begin+(end-begin)/2;
if(x<*mid) end=mid;
else if(x>*mid) begin=mid+1;
else return true;
}
return false;
}

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```