

Homework Week 10

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Q.1.

```
bool Finelist::contains (T * item) {
```

```
    Node * curr = head;
```

```
    while (curr->key < item->key)
```

```
        curr = curr->next;
```

```
    return curr->key == item->key;
```

```
}
```

Q.2.

The problem with the claim is that, if some other thread inserts a new node between `pred` and `curr`, the `pred.next` would no longer be pointing to `current`, but rather to newly inserted node. This is the situation that we don't want. Therefore the check for `pred.next == curr` should not be dropped.