

Tries



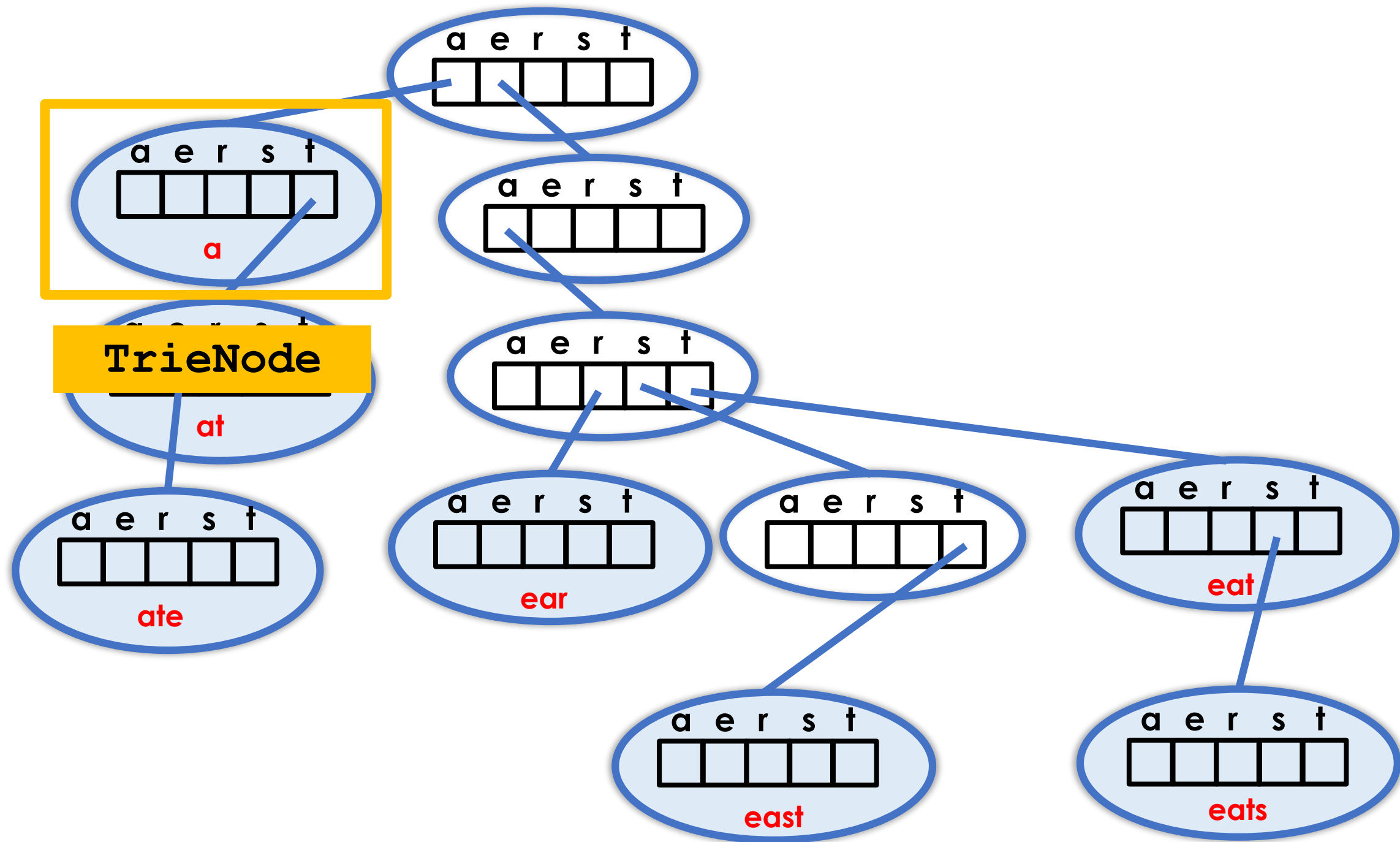
Implementation Details



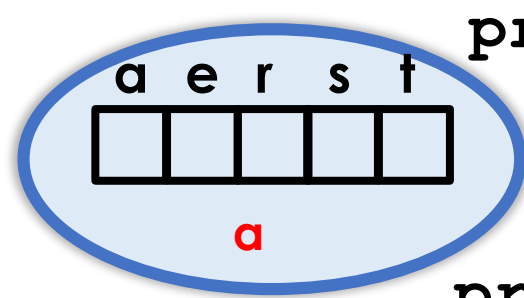
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by Christine Alvarado, Mia Minnes, and Leo Porter, 2015.

By the end of this video you will be able to...

- Implement a Trie data structure in Java



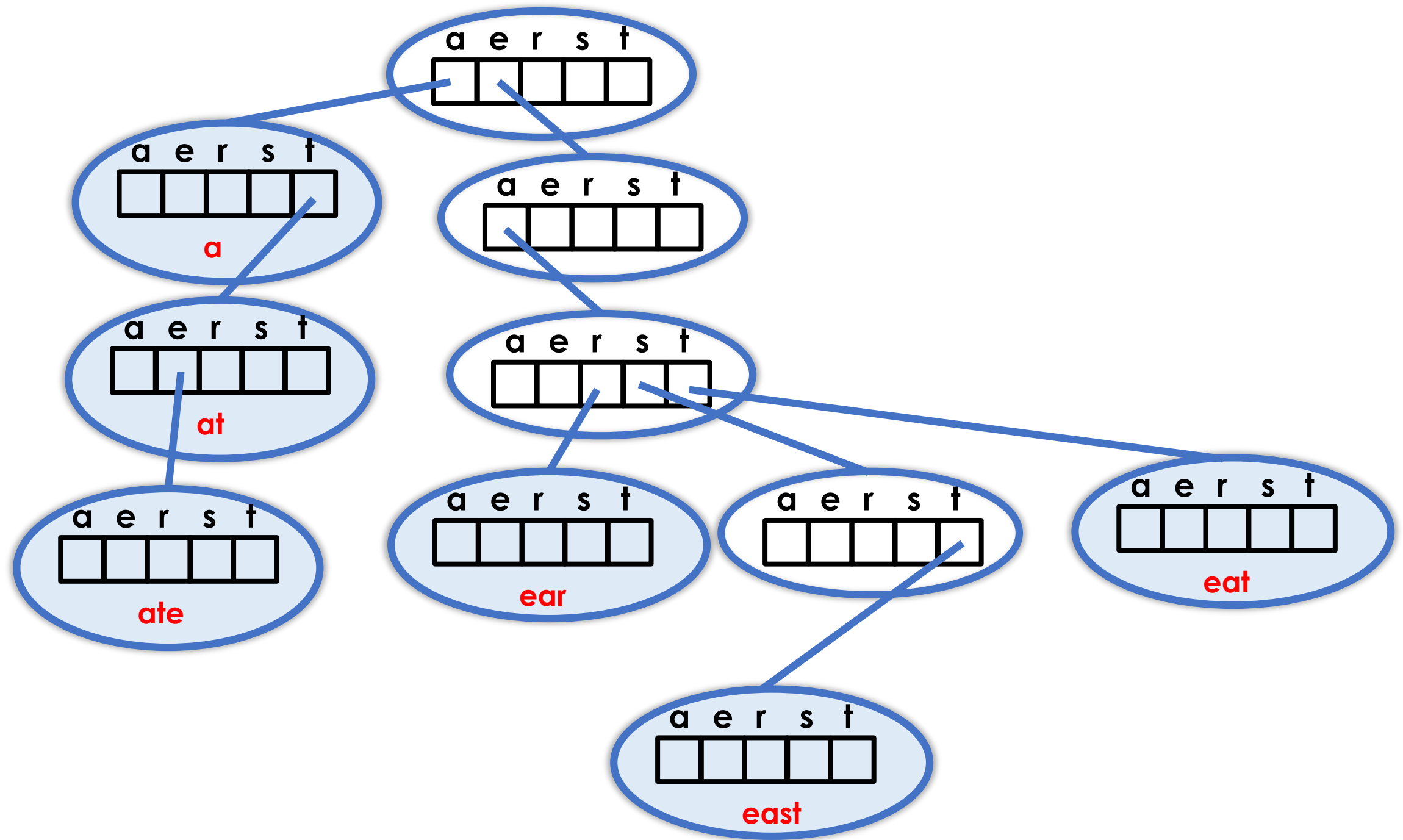
TrieNode



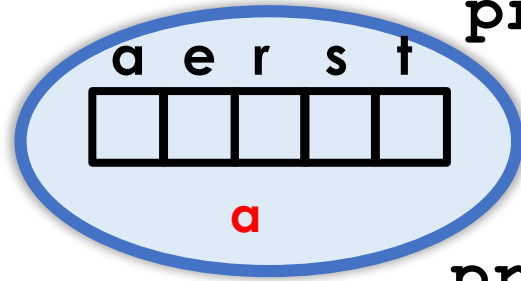
```
private boolean isWord;
```

```
private ArrayList<TrieNode> children;
```

```
private String text;
```



TrieNode

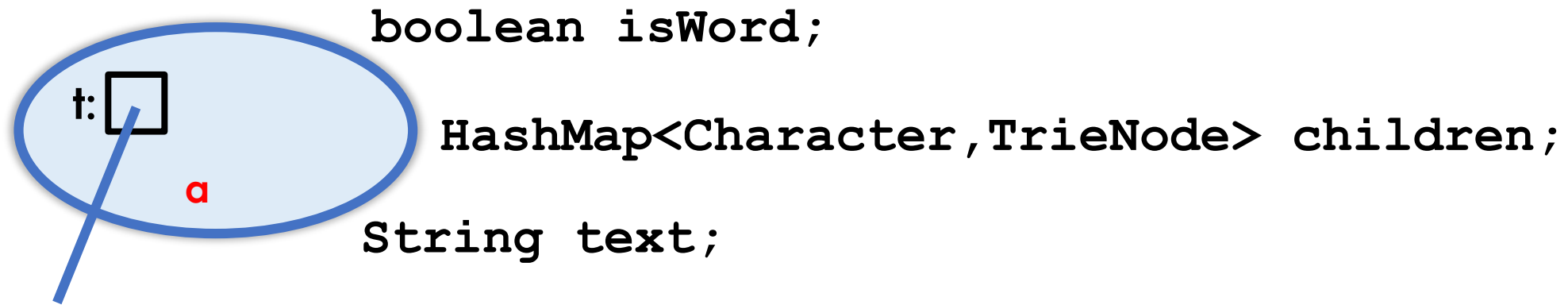


```
private boolean isWord;
```

```
private ArrayList<TrieNode> children;
```

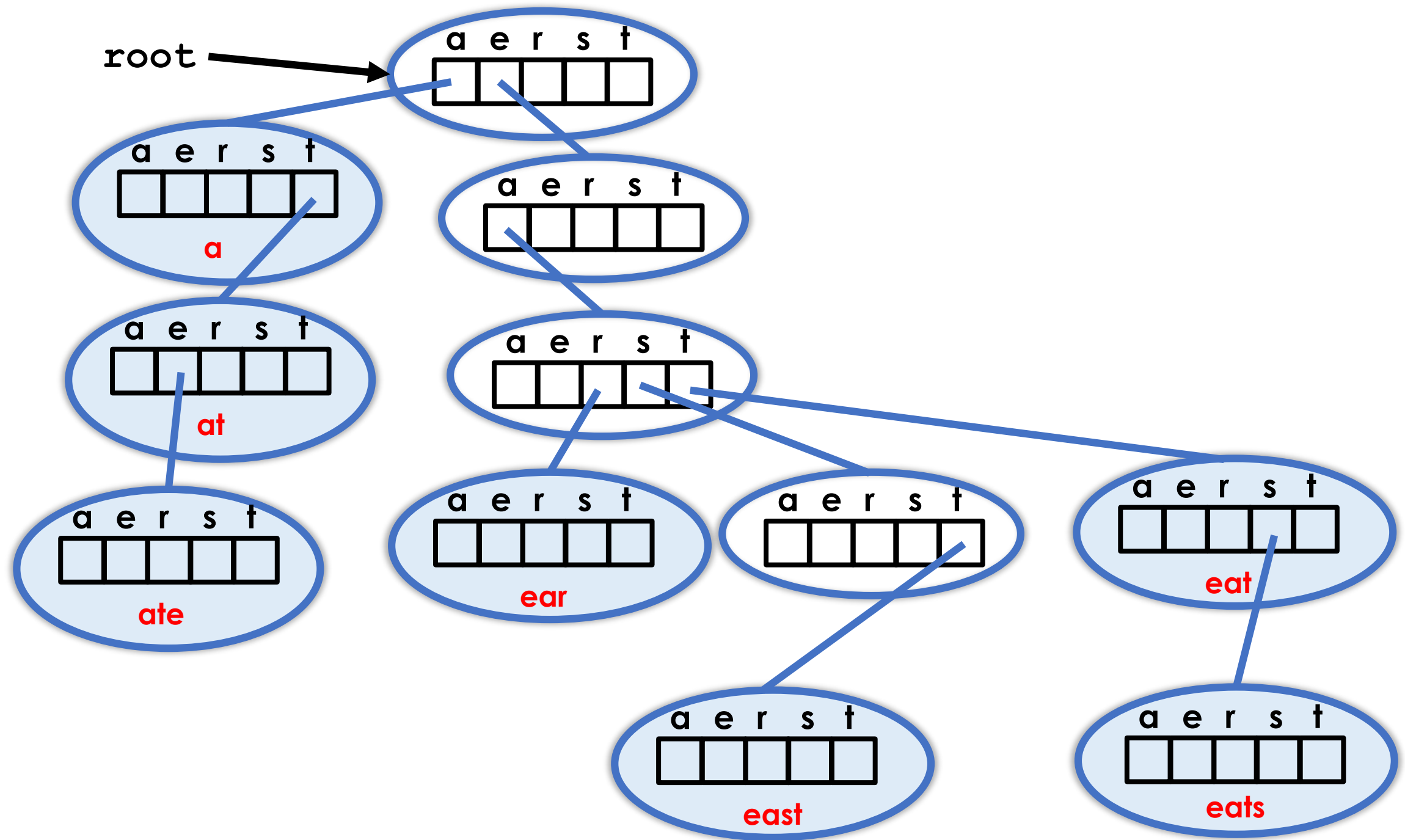
```
private String text;
```

TrieNode



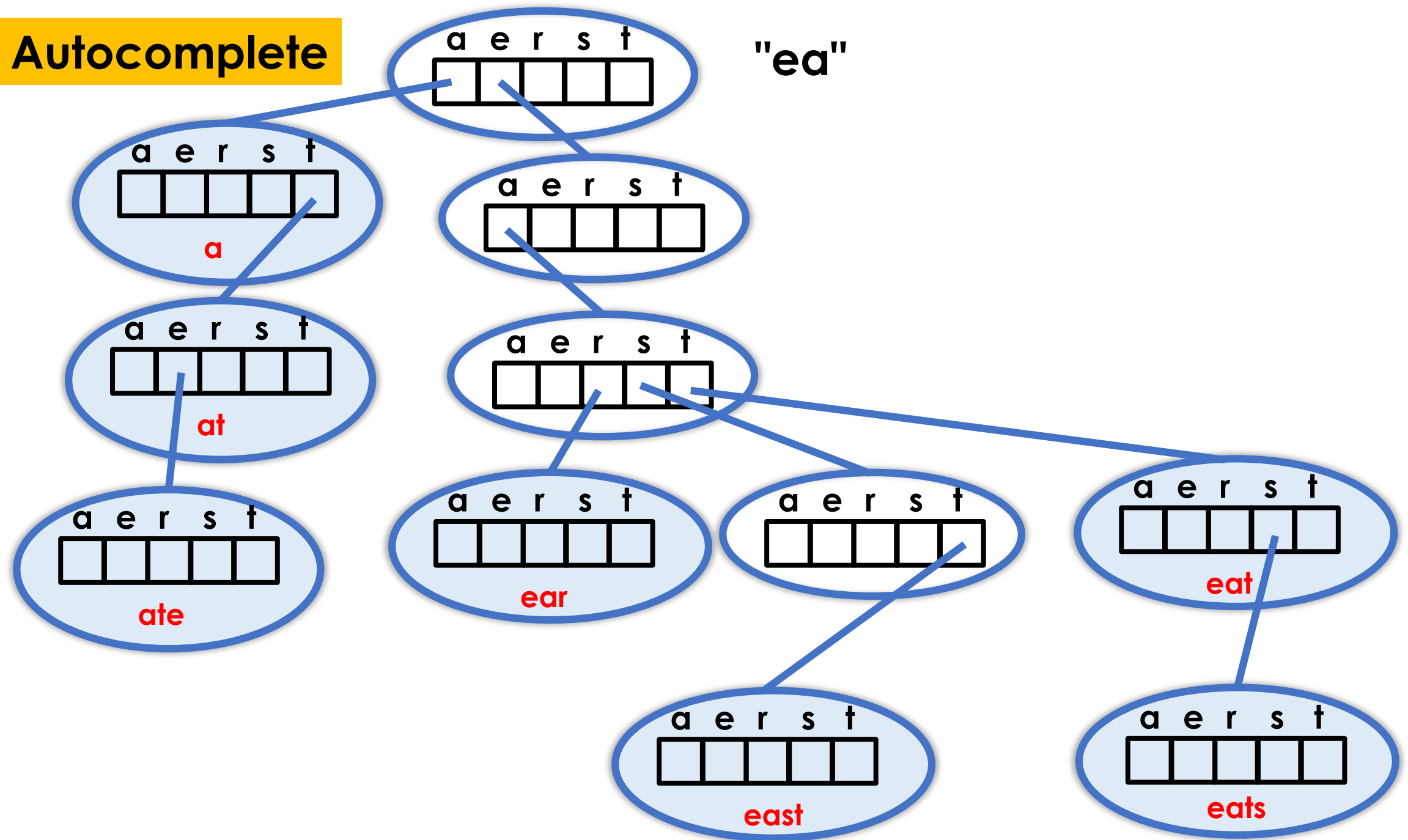
docs.oracle.com/javase/8/docs/api/java/util/HashMap.html

- put(key, value)
- get(key)



Autocomplete

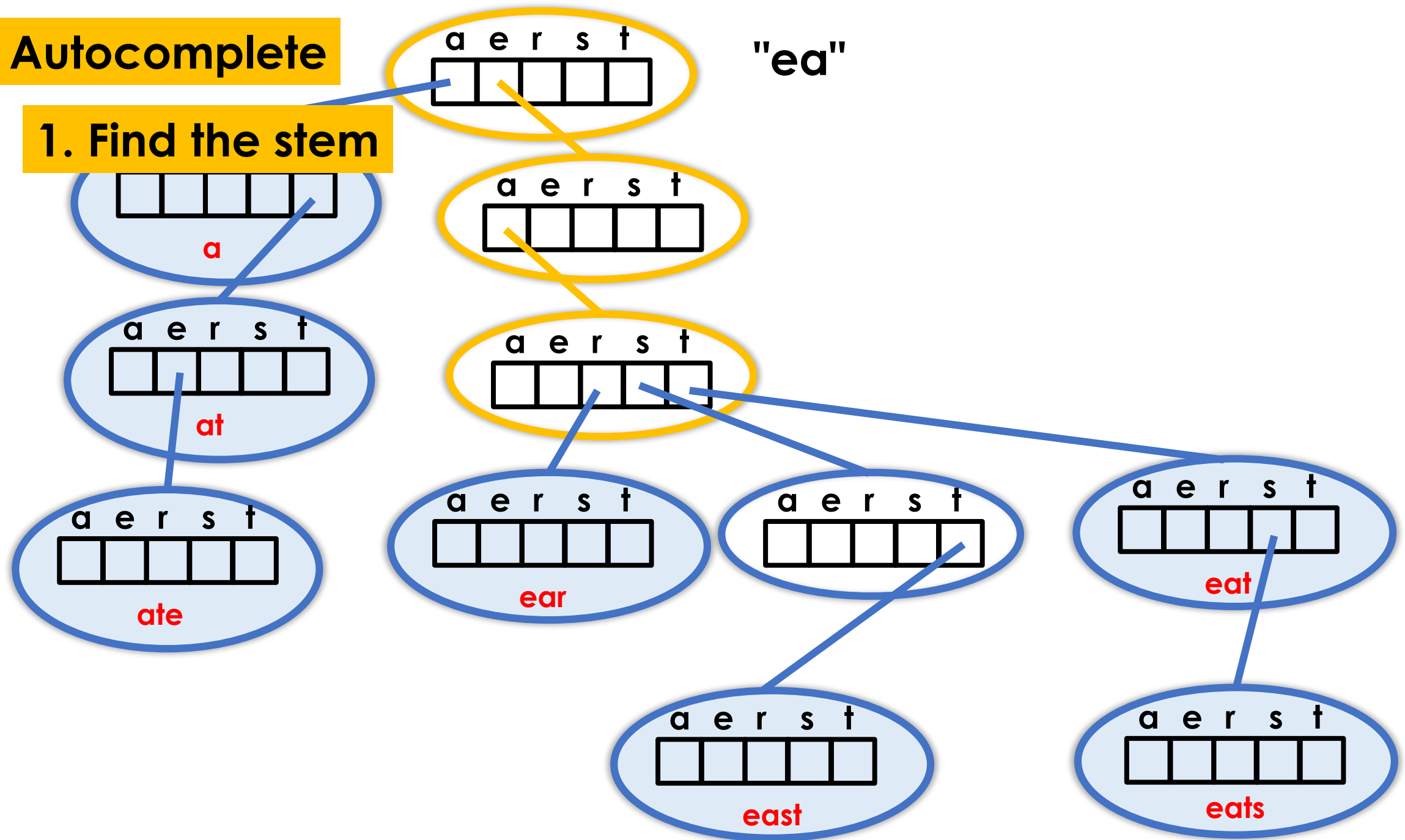
"ea"



Autocomplete

1. Find the stem

"ed"



Autocomplete

1. Find the stem
2. Do a level order traversal from there

"ea"

