

CS 696 Functional Programming and Design
Fall Semester, 2015
Doc 11b Binding, Let, alter-var-root
Oct 8, 2015

Binding verses let verses alter-var-root

```
(def ^:dynamic *max-value* 255)
```

```
(defn valid-value? [v] (<= v *max-value*))
```

```
(valid-value? 270)                                false
```

```
(binding [*max-value* 511]  
  (valid-value? 270))                             true
```

```
(valid-value? 270)                                false
```

```
(let [*max-value* 511]  
  (valid-value? 270))                             false
```

```
(valid-value? 270)                                false
```

```
(let [_ (alter-var-root (var *max-value*) (fn [f] 551))]  
  (valid-value? 270))                             true
```

```
(valid-value? 270)                                true
```