

[3.31] Store new list element at index greater than dimension

You can store elements beyond a list's current dimension, if the new index is only one more than the dimension. For example, suppose we have a list of three elements

```
{a,b,c}→mylist
```

then we can store a new fourth element, even though the list has only three elements, like this:

```
d→mylist[4]
```

which results in the list {a,b,c,d}. However, this:

```
f→mylist[6]
```

results in a *Domain error*, since the list has only 4 elements at this point, and we are trying to store a new element to the 6th position.