

Using the list notation, append from the previous example can be written as:

```
append([A|X], Y, [A|Z]) ← append(X, Y, Z).  
append([], Z, Z).
```

The query:

```
ask append(F, [L], [l,i,s,t])
```

has an answer  $F=[l,i,s], L=t$ .

The proof is exactly as in the previous example. As far as the proof procedure is concerned, nothing has changed; there is just a renamed function symbol and constant.