

es-before^{11,40}

```
before(e)
≡def if es-first(es; e)
      then []
      else append(before(es-pred(es; e)); cons(es-pred(es; e); []))
      fi
```

clarification:

```
es-before(es; e)
≡def if es-first(es; e)
      then []
      else append(es-before(es; es-pred(es; e)); cons(es-pred(es; e); []))
      fi
(recursive)
```