

general-append-cancellation^{11,40}

```
∀T:Type, as,bs,cs,ds:(T List).
(append(as; cs) = append(bs; ds) ∈ (T List))
⇒ ((||as|| = ||bs|| ∈ ℤ) ∨ (||cs|| = ||ds|| ∈ ℤ))
⇒ guard(((as = bs) ∧ (cs = ds)))
```