

## **priority-select-ff<sup>11,40</sup>**

```
∀T:Type, as:(T List), f,g:(T→ Boolean).
subtype_rel(T; ℤ)
⇒ sorted(as)
⇒ ((priority-select(f; g; as) = (inl ff ) ∈ (?Boolean))
    ⇔ l_exists(as; T; a.((↑(g(a))) ∧ (∀b:T. (b ∈ as ⇒ (b ≤ a ⇒ (¬(↑(f(b)))))))))
```