

Additional Example

Suppose we have two lists, one giving the travel times in hours for each leg of a journey, and one giving the fuel burn rate for each leg of the journey.

`;; fuel-use: (listof Num) (listof Num) → Num`

`;; Produces overall fuel use given time for legs and burn rate per leg.`

```
(define (fuel-use timelist fuellist)
  (cond
    [(empty? timelist) 0]
    [else (+ (* (first timelist) (first fuellist))
              (fuel-use (rest list1)(rest list2)))]))
```