

```

(define m
  (letrec ([init
            (λ (stream)
              (and (cons? stream)
                   (case (first stream)
                     [(c) (more (rest stream))]
                     [else false]))))
            [more
            (λ (stream)
              (and (cons? stream)
                   (case (first stream)
                     [(a) (more (rest stream))]
                     [(d) (more (rest stream))]
                     [(r) (end (rest stream))]
                     [else false]))))
            [end
            (λ (stream)
              (or (empty? stream)
                  (case (first stream)
                    [else false]))))])
    init))

```