

```
;; Tail recursive version of Fibonacci  
;; 'acc1' y 'acc2' must be initialized to 0 and 1  
;; i.e. the first two elements of the sequence  
(define (tail-fib acc1 acc2 n)  
  (if (zero? n)  
      acc1  
      (tail-fib acc2 (+ acc1 acc2) (sub1 n))))
```