

Final Version of gather-evens w/ Accumulating Recursion



```
(define (gather-evens evens-so-far sent)
  (cond
    ((empty? sent) evens-so-far)
    ((even? (first sent))
     (gather-evens (se evens-so-far (first sent))
                   (bf sent)))
    (else
     (gather-evens evens-so-far (bf sent)))))
```

Homework - Compressed



• (0 0 0 0 1 0 0 0 0 1 1 1 1 1 1 1 1)

• (4 0 1 4 0 9 1)

• (0 1 0 1)

• (0 1 0 1)

Homework - Occurs-in?



- (occurs-in? 'abc 'abcde) #t
- (occurs-in? 'abc 'xyabc) #t
- (occurs-in? 'ab 'axbc) #f
- (occurs-in? 'abc 'xy) #f
- This is not an exhaustive list!!!