lists

Base cases '() empty
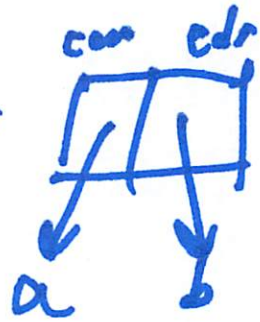
Symbols 'a 'too-hot

numbers 1 3.1415

strings "hello"

Constructor (cons 'a 'b) ⟹
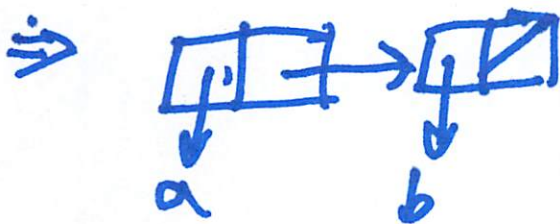
accessors car cdr

→ (list 'a 'b)

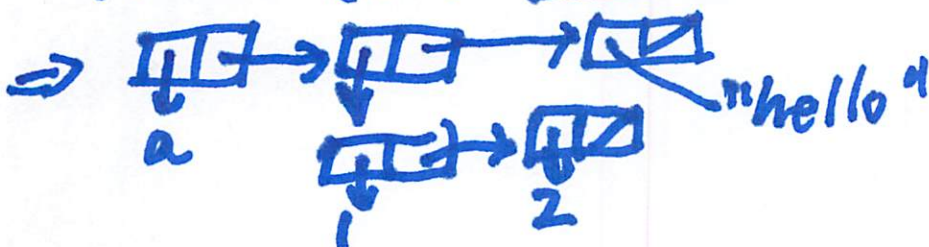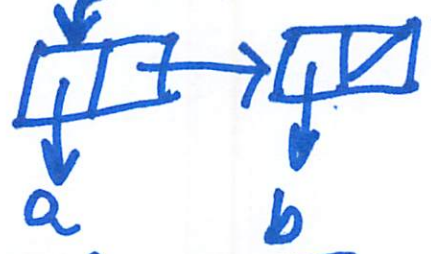→ '(a b)

⟹ (cons 'a (cons 'b '()))

⟹

'(a (1 2) "hello")

~~(cons a ((cons 1 (cons 2) '()))~~

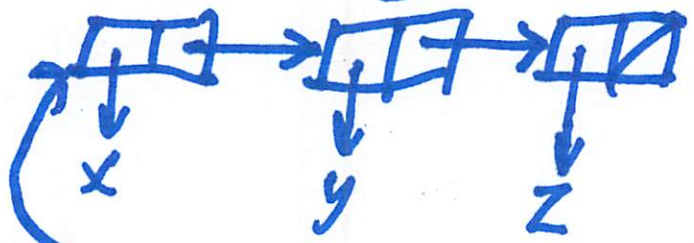(cons a (cons (cons 1 (cons 2 '())) (cons "hello" '())))
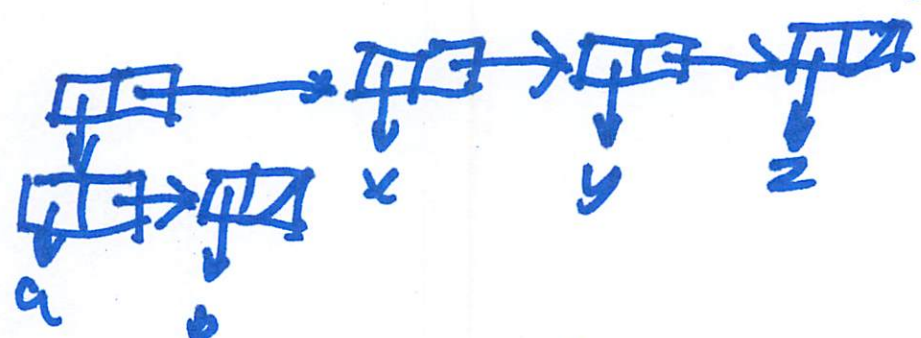
⟹

```
(define (appl x y)
    (cons x y))
```

ab ⇒

a   b

xyz ⇒   zyx

x   y   z

(appl x y)

(appl ab xyz) ⇒ (cons ab xyz)

x   y   z

a   b

((a b) x y z]