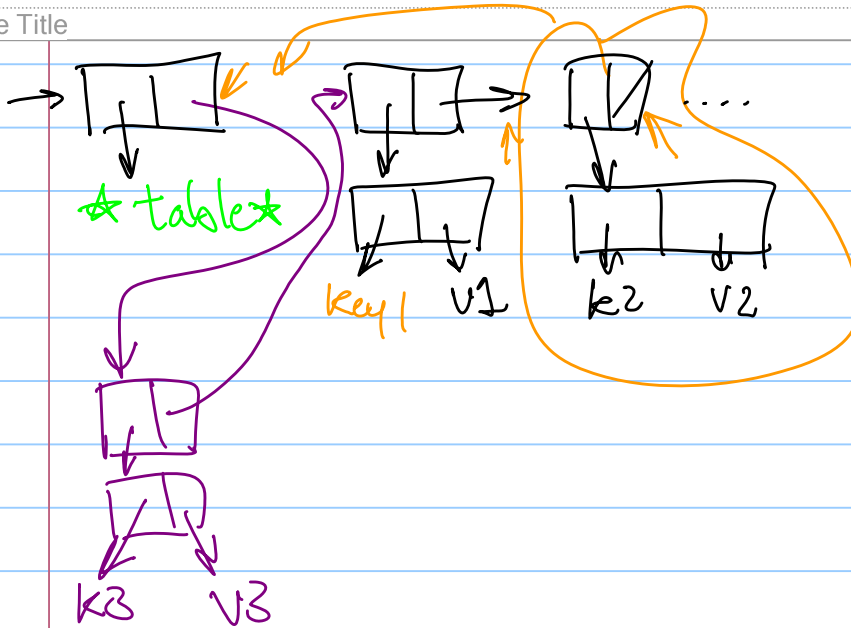
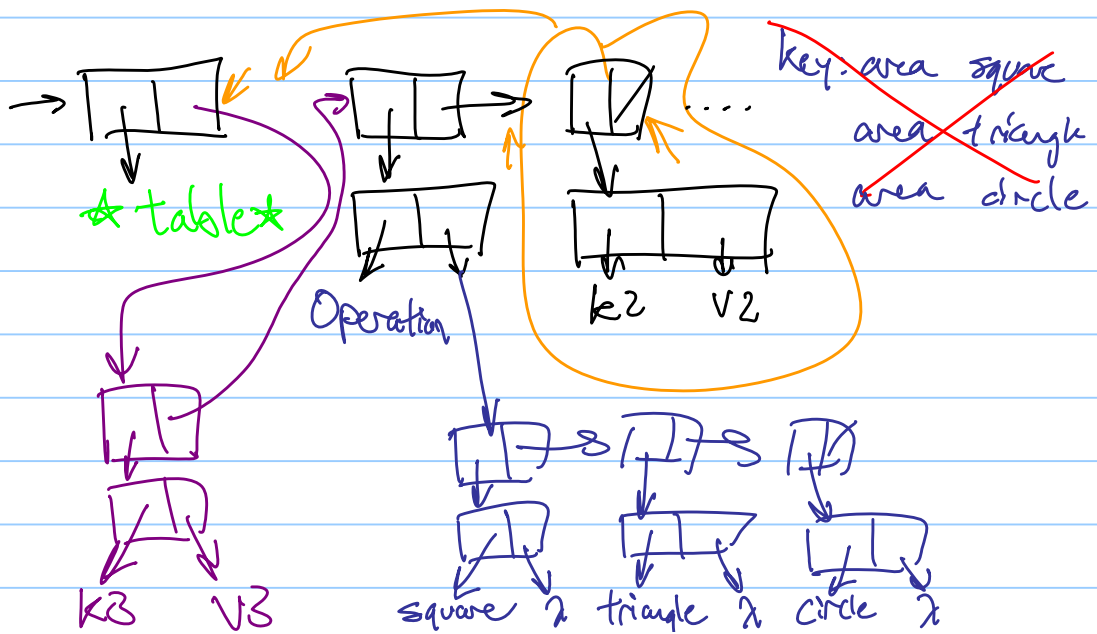


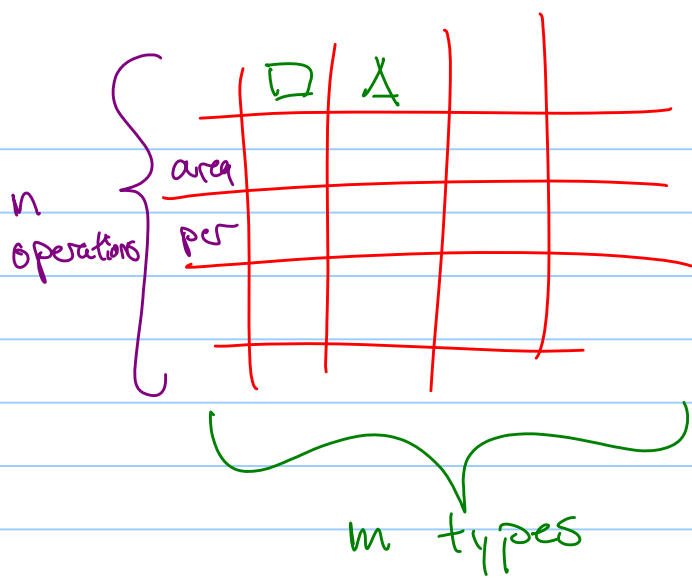
# Tables & Vectors

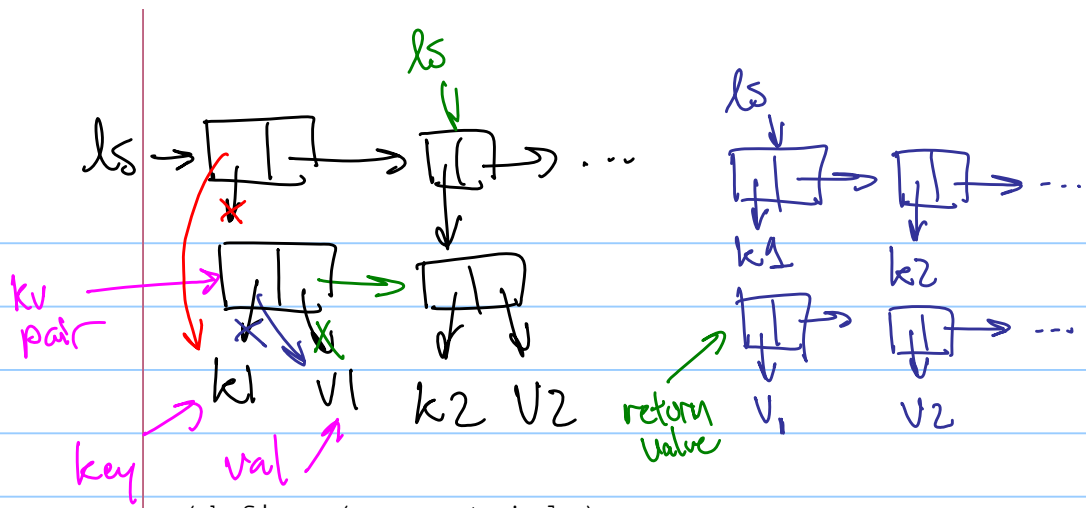
Note Title

7/20/2010









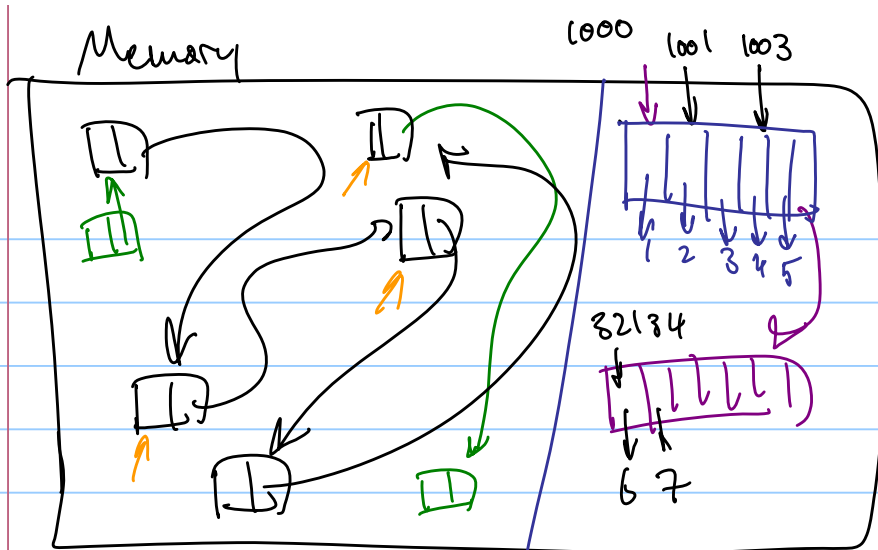
```

(define (separate! ls)
  (if (null? ls)
      '()
      (let ((kvpair (car ls))
            (key (caar ls))
            (val (cdar ls)))
        (set-car! ls key)
        (set-car! kvpair val)
        (set-cdr! kvpair (cadr ls))
        (separate! (cdr ls))
        kvpair)))

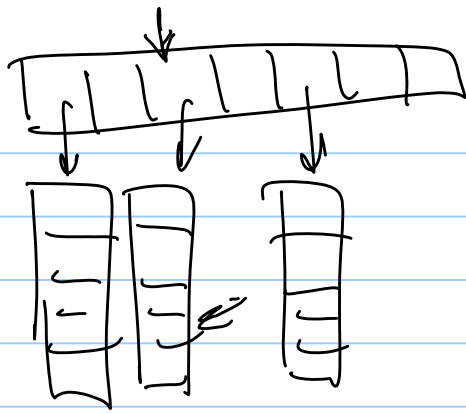
```

`(if (null? (cdr ls))  
 '()  
 (cadr ls))`

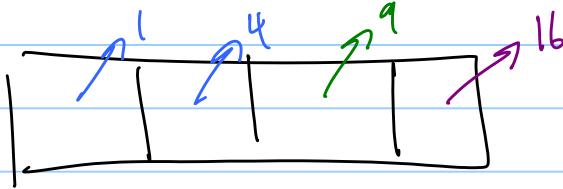
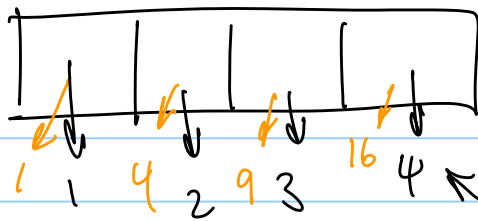
`(cadr ls)`



	list	vector
lookup	$\Theta(n)$	$\Theta(1)$



(2,3)



$n=3$

$n=2$

$n=1$

$n=0$

$n=-1$

