;; comments ; text between ; and eol is skipped # this text is also skipped \#	;;characters #\a #\1 #\ <mark>newline</mark> #\space	femtolisp	;named let: (let name ((v e)) e)
#; skips next single s-expression ;; e = expression, p = pair ;; i, j = iter var; a,b,x = vars	;;strings "hello"	Programming Language Quick Reference Card	(trycatch expr function) (raise e) (return e)
;; l = list, v = vector, ;; t = hash table, k = key ;;quoting 'e (quote e) `e (quasiquote e) ,e (unquote e) ,@e (unquote-splicing e) ;; data types	;;list/pair (012) () (cons h t) (car p) (cdr p) (set-car! p i) (set-cdr! p i) (list? p) (length p) (list e)	(c) 2013 John Lynch modeled on v0.6 Aaron Lahman's 2011 Scheme card You may freely modify and distribute this document Man code.google.com/p/femtolisp/wiki/Manual API code.google.com/p/femtolisp/wiki/APIReference (load filename-string) (begin e); evaluate expr's (prog1 e); sequential eval and return 1st eval	;;control functions (map proc l) (for-each proc l) ;;macros (set-syntax! sym function) ;;trace (trace 'proc)
(boolean? e) (pair? e) (symbol? e) (number? e) (char? e) (vector? e) atom? fixnum? negative? zero? procedure? builtin? bound? positive? even? odd? null? identity ;;equality (eq? a b)	(append I) (reverse I) (list-ref I i) ;;vector #(012) #() (vector e) (vector.alloc n x) (aref v)	;; variables (set! sym e) (define var e) (let ((var e)) e) (let*) ;in sequence (letrec) ;recursive procs ;; procedures	<pre>;patterns x ;variable x ;repetition pat ;repeated pattern ;; other append!, assoc, assv, assq, member, memv, memq, every, any,</pre>
<pre>(eqv? a b) ;number, string (equal? a b) ;list contents ;; operators + - * / > < (quotient a b) ;integer division (= nums) ;numeric equality (lognot a) (logand a b) (logior a b) (logxor a b) (ash a) ; bit shift</pre>	(aset! v i x) (vector->list v) (list->vector l) ;;hash table (table k x k x) (put! t k x) (get t k dval) (has t k)	<pre>(define (proc args) body) (lambda (args) body) ;; control flow (if test true-expr false-expr) (cond (test body) (else body)) (case e ((x) body) (else body))</pre>	<pre>list-tail, list-ref, list*, last-pair, lastcdr, length=, length>, map!, mapcar, for-each, filter, count, foldr, foldl, reverse!, copy-list, copy-tree, map-int, iota, revappend, nreconc, delete-duplicates, untrace, traced?</pre>
mod mod0 div abs max min ;; logic #t #f (and e) ;short circuit (or e) ;short circuit (not e) (compare? e e)	(del! t k) (table.keys t) (table.pairs t)	<pre>(do ((x init update)) (testexit body) body)) (for h t (lambda (args) body)) (while test . body)</pre>	