<pre>;; comments ; text between ; and eol is skipped # this text is also skipped \# #; skips next single s-expression</pre>	;;characters #\a #\1 #\newline #\space	femtolisp	
;; e = expression, p = pair ;; i, j = iter var; a,b,x = vars ;; 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 (boolean? e) (pair? e) (symbol? e) (number? e) (char? e) (vector? e) atom? fixnum? negative? zero? procedure? builtin? bound? positive? even? odd? null? identity	;;strings "hello" ;;list/pair (012) () (cons h t) (car p) (cdr p) (set-car! p i) (list? p) (length p) (list e) (append l) (reverse l) (list-ref l i) ;;vector #(012) #()	Programming Language Quick Reference Card (c) 2013 John Lynch modeled on 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 ;; variables (set! sym e) (define var e) (let ((var e)) e) (let*) ;in sequence	;named let: (let name ((v e)) e) (yeild x) return a value in generator (trycatch expr function) (raise e) (return e) ;;control functions (with-delimited-continuations proc) (map proc l) (for-each proc l) ;;macros
;;equality (eq? a b) (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 mod mod0 div abs max min ;; logic #t #f (and e) ;short circuit (or e) ;short circuit (not e) (compare? e e)	(vector e) (vector.alloc n x) (aref v) (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) (del! t k) (table.keys t) (table.pairs t)	(letrec) ;recursive procs ;; procedures (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)) (do ((x init update)) (testexit body) body)) (for h t (lambda (args) body)) (while test . body)	<pre>(set-syntax! sym function) ;patterns x ;variable x ;repetition pat ;repeated pattern ;; other append!, assoc, assv, assq, member, memv, memq, every, any, 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</pre>