```
(defparameter *options* (list '(about "
line 1 3wwesas
line 33323 3242323
OPTIONS:")
  PTIONS:")

(cli 'cautious "-c" "abort on any error " t)
(cli 'fenough "-c" "enough items for a sample " 512)

"far away " .9]
(cli 'file "-f" "far away " .9]
(cli 'file "-f" "show help " nil)
(cli 'lotense "-f" "show help " nil)
(cli 'lotense "-f" "show help " nil)
(cli 'g "-p" "euclidean coefficient " 2)
(cli 'seed "-r" "random number seed " 10019)
(cli 'todo "-t" "start up action " "")))
       (defmacro !! (x)
  "short hand for querying options"
  '(third (cdr (assoc ',x *options* :test #'equal))))
(defun show-options (o) "print options"
  print options (format t "~&~a~%" (second (car o))) (dolist (x (cdr o)) (format t "~&~a~a=~a" (elt x 1) (elt x 2) (elt x 3))))
(defmacro ? (s x &rest xs)
"shorthand for recurisve calls to slot-valyes"
  (if xs `(? (slot-value ,s ',x) ,@xs) `(slot-value ,s ',x)))
(defun ako (x kind)
  "check for certain 'kind's or suffixes or prefixes"
  (let ((11 '((ignore $\:) (klass $\!) (less $\-) (more $\+) (goal $\+ $\- $\!))
    (12 '(num #\$))
(s (symbol-name x)))
(or (member (char s (1- (length s))) (cdr (assoc kind ll)))
(member (char s 0) (cdr (assoc kind l2))))))
        5 - 1 i i i i c 7 - 1 | - 1 i i i c
(defun %with-csv (file)
  (with-open-file (str file)
     (loop (cells (or (read-line str nil) (return-from %csv))))))
         (defun per (seq &optional (p .5) &aux (v (coerce seq 'vector)))
  (elt v (floor (* p (length v)))))
(defun sd (seq &optional (key #'identity))
  (/ (- (funcall key (per seq .9)) (funcall key (per seq .1))) 2.56))
```