```
(defun bin-search (obj vec)
  (let ((len (length vec)))
    (and (not (zerop len))
         (finder obj vec 0 (- len 1)))))

(defun finder (obj vec start end)
  (let ((range (- end start)))
    (if (zerop range)
        (if (eql obj (aref vec start))
            obj
            nil)
        (let ((mid (+ start (round (/ range 2)))))
          (let ((obj2 (aref vec mid)))
            (if (< obj obj2)
                (finder obj vec start (- mid 1))
                (if (> obj obj2)
                    (finder obj vec (+ mid 1) end)
                    obj)))))))
```