```
(defun map-int (fn n)
  (let ((acc nil))
    (dotimes (i n)
      (push (funcall fn i) acc))
    (nreverse acc)))

(defun filter (fn lst)
  (let ((acc nil))
    (dolist (x lst)
      (let ((val (funcall fn x)))
        (if val (push val acc))))
    (nreverse acc)))
```