# Exemple: condlet (suite)

```
(defmacro condlet (clauses &body body)
  (let ((bodfn (gensym))
        (vars (mapcar #'(lambda (v) (cons v (gensym)))
                      (remove-duplicates
                        (mapcar #'car
                                (mappend #'cdr clauses))))))
    `(labels ((,bodfn ,(mapcar #'car vars)
                ,@body))
       (cond ,@(mapcar #'(lambda (cl)
                           (condlet-clause vars cl bodfn))
                       clauses)))))

(defun condlet-clause (vars cl bodfn)
  `(,(car cl) (let ,(mapcar #'cdr vars)
                (let ,(condlet-binds vars cl)
                  (,bodfun ,@(mapcar #'cdr vars))))))

(defun condlet-binds (vars cl)
  (mapcar #'(lambda (bindform)
              (if (consp bindform)
                  (cons (cdr (assoc (car bindform) vars))
                        (cdr bindform))))
          (cdr cl)))
```