**10**

**/31/**

**14**

**17:35:08**

**1**

**/1**

listhash.scm

$cmps112-wm/Languages/scheme/Examples/

**1:**

**2:**

**;; $Id: listhash.scm,v 1.2 2014-10-31 17:35:08-07 - - $**

**3:**

**4:**

**;;**

**5:**

**;; NAME**

**6:**

**;; listhash - put some entries in a list into a hash table**

**7:**

**;;**

**8:**

**9: (**

**define \*hash\* (make-hash**

**))**

**10:**

**11: (**

**define \*list\***

**12:**

**’( (label (foo bar**

**))**

**13:**

**( (line**

**2))**

**14:**

**(sec (sec line**

**))**

**15:**

**( (line**

**4))**

**16:**

**(last (label**

**))**

**17:**

**( (end**

**))))**

**18:**

**19: (**

**define (show label item**

**)**

**20:**

**(newline**

**)**

**21:**

**(display label) (display " = ") (display item**

**)**

**22:**

**(newline**

**))**

**23:**

**24: (**

**define (put-in-hash list**

**)**

**25:**

**(when (not (null? list**

**))**

**26:**

**(let ((first (caar list**

**)))**

**27:**

**(when (symbol? first**

**)**

**28:**

**(hash-set! \*hash\* first list**

**)))**

**29:**

**(put-in-hash (cdr list**

**))))**

**30:**

**31: (**

**show "whole list" \*list\***

**)**

**32:**

**33: (**

**put-in-hash \*list\***

**)**

**34:**

**35: (**

**hash-for-each \*hash\***

**36:**

**(lambda (key value) (show key value**

**)))**

**11**

**/04/**

**14**

**16:27:01**

**1**

**/1**

listhash.scm.out

$cmps112-wm/Languages/scheme/Examples/

**1:**

**2:**

**whole list = ((label (foo bar)) ((line 2)) (sec (sec line)) ((line 4))**

**(**

**last (label)) ((end)))**

**3:**

**4:**

**sec = ((sec (sec line)) ((line 4)) (last (label)) ((end**

**)))**

**5:**

**6:**

**label = ((label (foo bar)) ((line 2)) (sec (sec line)) ((line 4)) (last**

**(**

**label)) ((end**

**)))**

**7:**

**8:**

**last = ((last (label)) ((end**

**)))**