

















<pre>(define (mc-eval exp env) (cond</pre>	
((self-evaluating? exp)	Should we add
((variable? exp)	a Thunk?
((quoted? exp)	check to mc-
((assignment? exp)	eval?
((definition? exp)	A. No – not
((if? exp)	necessary
((lambda? exp)	B. No handled
((begin? exp)	by another
((cond? exp)	case
((application? exp)	B. Yes
(else (error "what?"))))	D. ??



Example of why we call actual-value			
STk> (load " okav	lazy.scm")		
STk> (define	g-env (setup-environment))		
g-env	VAD		
STk> (mc-	-eval		
'(la	ambda (x) x)		
	(lambda (y) y)		
	(+ 2 3)))		
g-en	v)		
a.(thunk	((lambda (y) y) (+ 2 3)) (env))		
b.(thunk	((lambda (x) x) (+ 2 3)) (env)		
c.(thunk	$((\lambda (x) x)((\lambda (y) y)(+ 2 3))) \stackrel{\text{env}}{\longrightarrow})$		
d. 5	e. ??		















Some facts I told the query system (assert! (colleen likes cookies)) (assert! (hamilton likes cookies)) (assert! (stephanie likes oreos)) (assert! (kevin likes pizza)) (assert! (eric likes pizza)) (assert! (phill likes everything))











Write a query that matches ALL assertions that we've added!

(COTTEEN	TIKES	COOKIES)	
(hamilton	likes	cookies)	
(stephanie	likes	oreos)	
(eric	likes	pizza)	
(phill	likes	everything)	
(kevin	likes	pizza)	
A. Not possible	D.	Need 3 variables	
B. Need 1 varia	ble E.	Stuck	
C. Need 2 varia	bles		





















