fun returns lambda

What is	the	result	of the	following	program?

(deffun (f x) (lambda (y)	(+	x	y)))
((f 2) 1)			
3			
Error			
Other			

Please specify			

Why do you think this program was included? What do you think it's checking?

filter gt

What is	the	result	of th	e fo	ollowing	progra	ım?

	(filter (lambda (n) (> 3 n)) '(1 2 3 4 5))
O '(4 5)
O '(1 2)
\circ)ther
Pleas	se specify
•	do you think this program was included? What do you think it's
chec	king?

fun and state 1/4

What is the result of the following program?

- O 4
- \bigcirc 3
- Other

Please specify	
Why do you think checking?	this program was included? What do you think it's
fun and state 2/4	1
What is the result	t of the following program?
(defvar x 1) (deffun (f y	
O 4	
Other	
Please specify	
Why do you think checking?	this program was included? What do you think it's

fun and state 3/4

What is the result of the following program?
<pre>(defvar x 1) (defvar f (lambda (y) (+ x y))) (let ([x 2]) (f x))</pre>
O 4
O 3
Other
Please specify
Why do you think this program was included? What do you think it's checking?

fun and state 4/4

What is the result of the following program?				
<pre>(defvar x 1) (deffun (f y) (+ x y)) (let ([x 2]) (f x))</pre>				
O 3				
O 4				
Other				
Please specify				
Why do you think this program was included? What do you think it's checking?				
eval order				

What is the result of the following program?
(deffun (f x) (+ x 1)) (deffun (new-f x) (* x x))
(f (begin (set! f new-f) 10))
O 100
O Error
Other
Please specify
Why do you think this program was included? What do you think it's checking?

Counter

What is the result of the following program?

(deffun (make-counter)
(let ([count 0]) (lambda ()
(begin
<pre>(set! count (+ count 1)) count)))</pre>
(defvar f (make-counter)) (defvar g (make-counter))
(dervar g (make-counter))
(f)
(g) (f)
(f)
(g)
O 1; 1; 2; 3; 4
O 1; 1; 2; 3; 2
O 1; 1; 1; 1
Other
Please specify
Mby do you think this program was included? What do you think it's
Why do you think this program was included? What do you think it's checking?
oncoking:

hof + set!

What is the result of the following program?
(defvar y 3) (+ ((lambda (x) (set! y 0) (+ x y)) 1) y)
O 4
O 7
O Error
Other Other
Please specify
Why do you think this program was included? What do you think it's checking?
filter
What is the result of the following program?
<pre>(defvar l (list (ivec) (ivec 1) (ivec 2 3))) (filter (lambda (x) (vlen x)) l)</pre>
O Error
(#(1) #(2 3))
O '(0 1 2)
(#() #(1) #(2 3))
Other

Please specify
Why do you think this program was included? What do you think it's checking?
eq? fun fun 1/3
What is the result of the following program?
(eq? $(\lambda (x) (+ x x))$ $(\lambda (x) (+ x x))$
○ #t
○ #f
Other
Please specify
Why do you think this program was included? What do you think it's checking?

What is the result of the following program?
(deffun (f x) (+ x x)) (deffun (g x) (+ x x)) (eq? f g)
O #f
Other
Please specify
Why do you think this program was included? What do you think it's checking?
eq? fun fun 3/3
What is the result of the following program?
(deffun (f x) (+ x x)) (deffun (g) f) (eq? f (g))
O #f
Other

Please specify

Why do you think this program was included? What do you think it's checking?		
equal? fun fun		
What is the result of the	e following program?	
(deffun (f) (lambd (equal? (f) (f))	a () 1))	
○ #t		
#f Other		
Please specify		
Why do you think this p checking?	rogram was included? What do you think it's	