$\frac{14-1}{R_3} \rightarrow R_4$ dom ng
tys= (=> (+y) +y)
e := l (app e e)
def:= (define var [varity]):ty e)
p:= (program info (def) e)
Charam -
((defigge (even? [x:564]): Boot (even? 99))
(if (== x 0) tre
(0995 (- x 1))))
(define (odd? [x=564]): Bool
(if $(== \times 0)$ false
(even? (- x 1)))))

new: A, M+ e: ty
topaed fons local C + (program _ [del ...) e): T D + def DIØ Fe: T Δ = Ø [defo + (-) (domo, o ··· domo, n) rngo)] ··· n = & [xota 40] ... [xn +> frn] DITT + e: rty △ - (define (v [x:tyo] ... [xm:tyn]): rty e)

142) old: Theing

T(x) =
$$\frac{1}{2}$$
 $D(x) = \frac{1}{2}$
 $D(x) = \frac{1$

14-4/	
randp	
~	Somethus generale N rathban Rus
~	each one returns a random type
رجاجان	takes a dew arguments
t:	int x mt -> mt
9 1	pool x pool -> Lut
h L	int x 6001 => 6001

14-5/ optimization - May (app embor eo ... en) tenou that (sawapt) =7 Endfor = (define (- Cro: tys] (let xo= eo [ch: 477]) かっとの ·rlg e body) e body) (define (f [x: 207]): 564 (f 0)) 7 (+ x1)

14-6) uniquify heals each fin separately
rapidal-fours: fool all references to Ring
and replace them with (fun-ref x)
·
-> uniquify/revent funs -> typec
types / reveal-fins -> uniquify
typec -> mignify -> reveal-fins

14-7/ limit-fons On x 86-64 fins always have 6 organients: ndi rsi rdx ccx r8 r9 Ry: (fabcdefgh) 1 (f a b c d e (vector f g h)) 1 molify for defas @ medity fun app

14-8/
(define (f [a:ta] [b:to] [c:tc] [d:ta] [e:te]
[f:1g] [g:ty]): rty Rody)
1)
(define (f [a:ta] [b:to] [d:td] [d:td] [e:te]
[rest: (vector ts ty)]): rty
(let f = (vector-ref rest o)
g = (vector-ref rest 1)
in
e body))

14-9/				
(t	9, 92 a	3 94 95	96 a7)	
31				
C+	a, a, a3	ay 95	(vector as	93))

14-10/ rco
1) let fun-nefs be a new simple cat
2) of (program into e) ~7 (program into e')
now: (program in fo (def) e)
<u> </u>
(program into (def'
(define (main) = ety e) (main)
3) deal w/ app

14-11/ read of tail? (app rator rando ... randa) = let randeres = map (read or false) (rando ... randa) number, andor = rea or false rator nurands = append (map fet rand-res) grands = grapas sad rand-res NYS = number ++ remainds if tail? Hen (nus, (app araton arands)) 0, W, (nus ++ [(ans, (app andon arounds))], ans)