	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
new-cars																
new-cdrs																
		x		y			z									
the-cars	p1	n1	p3	p1	p6	p1	n3	n4	n5							
the-cdrs	p2	n2	p4	p5	nil	nil	p7	p8	nil							

root p0

free

scan

old

new

oldcr

relocate-
continue

Registers

root = (x y z)

x = (1 . 2)

y = (x x)

z = (3 4 5)