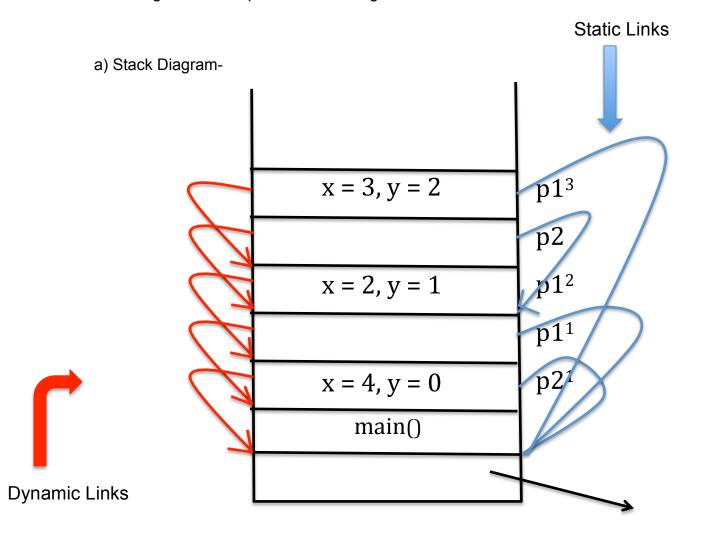
CSE 305 Spring 2015

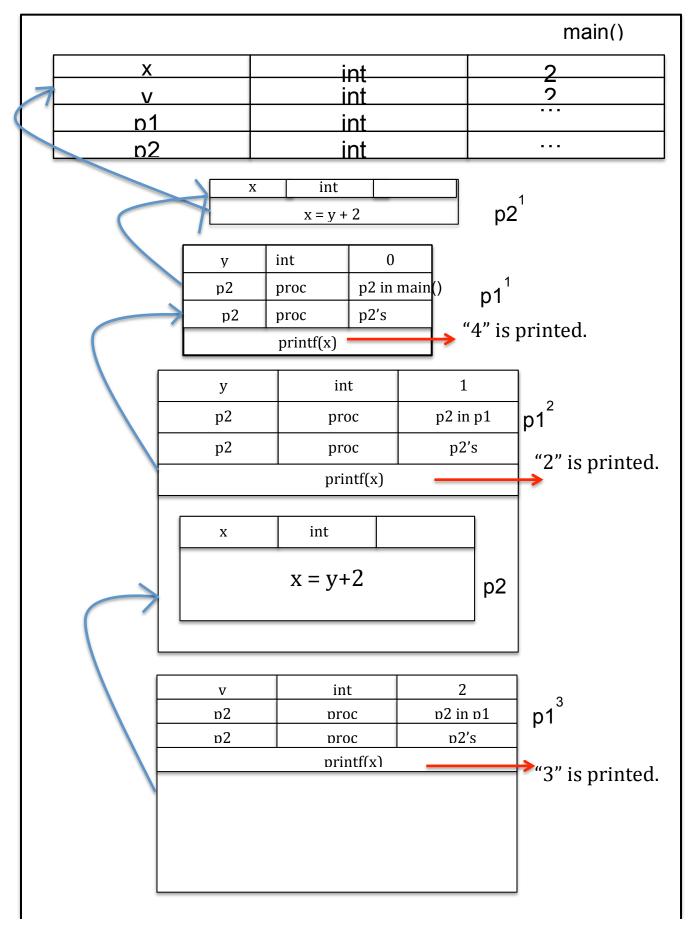
Assignment #3: Recursion, Scope Rules, and Binding Time

Student Name – Amey Sanjay Mahajan Person Number – 50090016

Answer 2 - 1) Output Printed -> 3 2 4

Following are the Scope and Stack Diagrams of Question 2 -





Answer -3.a)-

i) For enqueue(tlist,tr) - n = 9

Iteration number	Number of cons cells allocated
1	2
2	2
3	2
4	0
5	0
6	0
7	2
8	0
9	0

ii) For append(tlist,tr) – n = 9

Iteration number	Number of cons cells allocated
1	3
2	5
3	7
4	0
5	0
6	0
7	3
8	0
9	0

Answer -3.b) -

- Number of Garbage cells for enqueue(tlist,tr) -> 9
 Number of Garbage cells for append(tlist,tr)-> 19