

Gloria Cuevas
Assignment4

3. Heap/Stack Diagrams

Num 1 1000
Den. 2

1020

Num 1
Den. 1 1040

Text in Red will be for the
garbage collector.

Num. 1
Den 2 1060

Num 1
Den 4 1080

Num 1
Den 8

Stack

i 3
Result 1080
n 3
x 1000
r 1000

4. Tracing Method

witch: x = 1, y = 1
witch: x = 10, y = 0
witch: x = 101, y = 1
witch: x = 1011, y = 1
ghost: x = 13, y = 1011