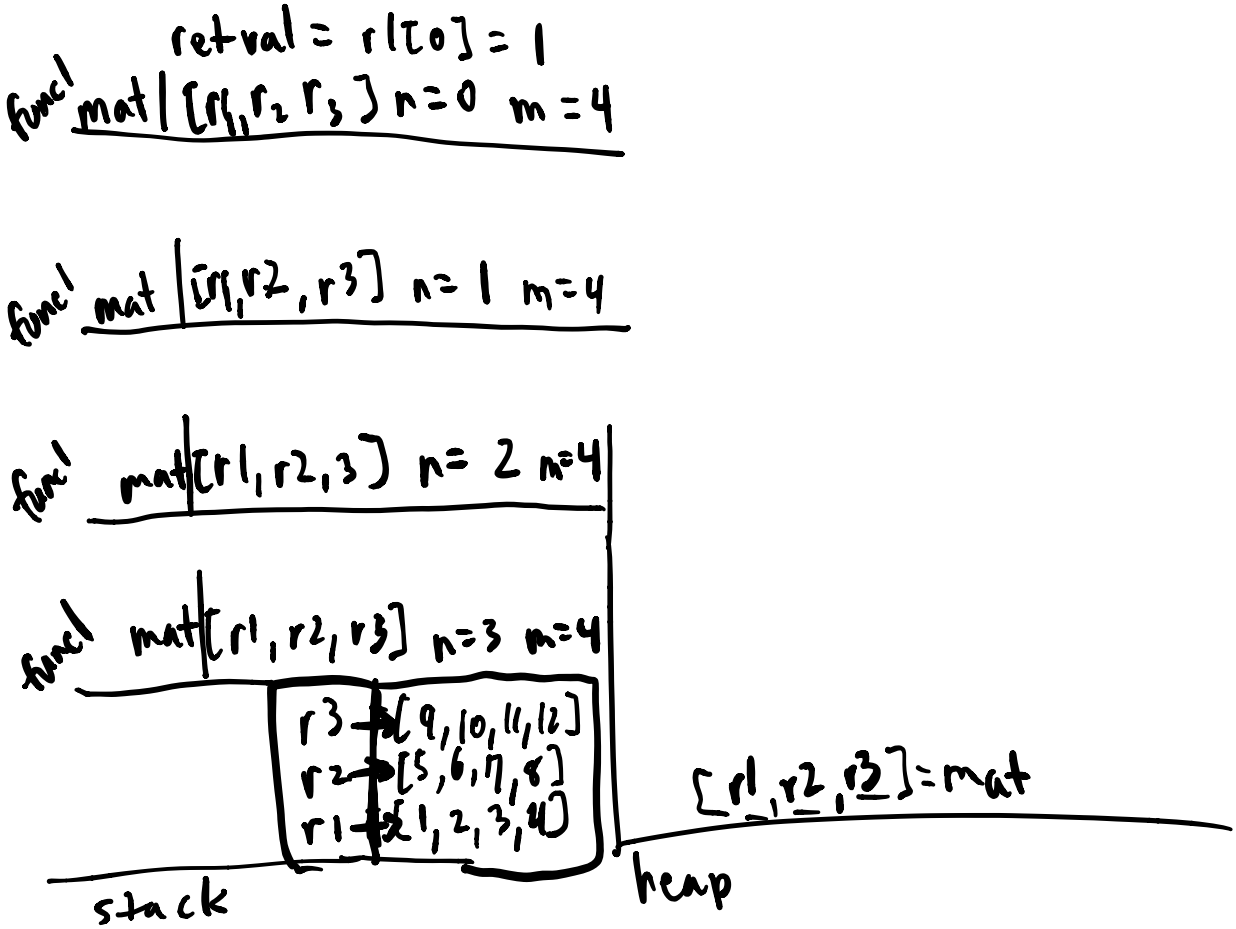
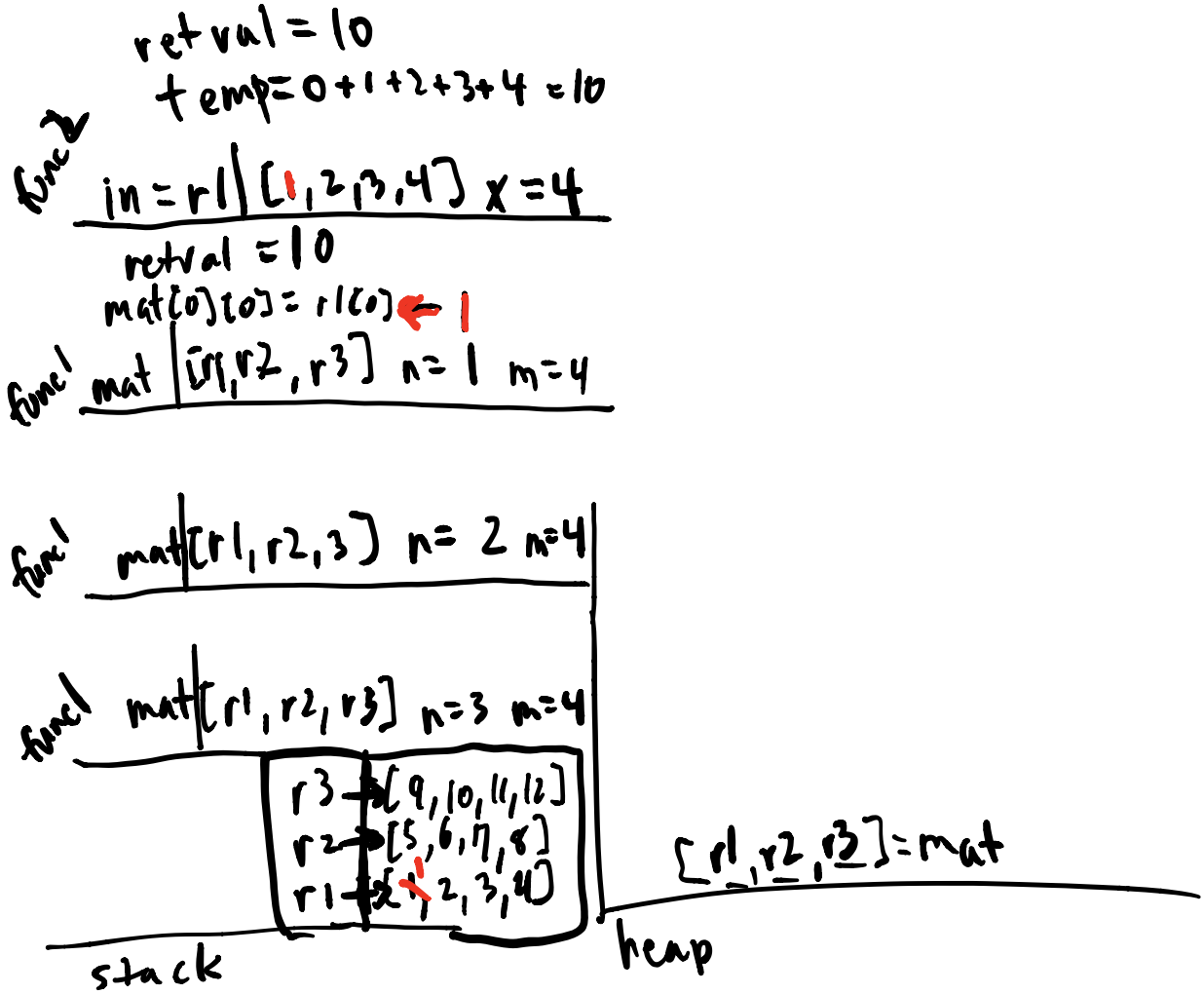
Recursive call untill n == 0.

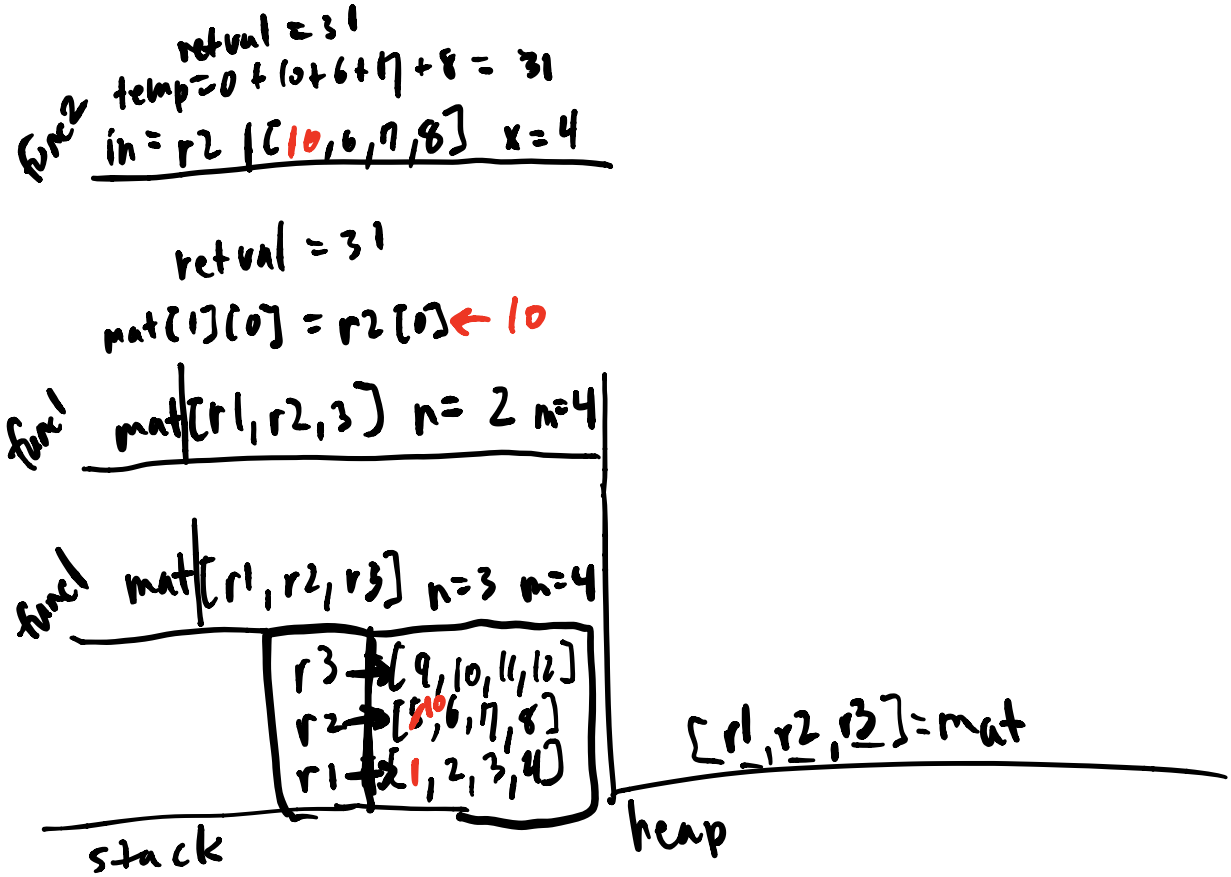


Return from n==1

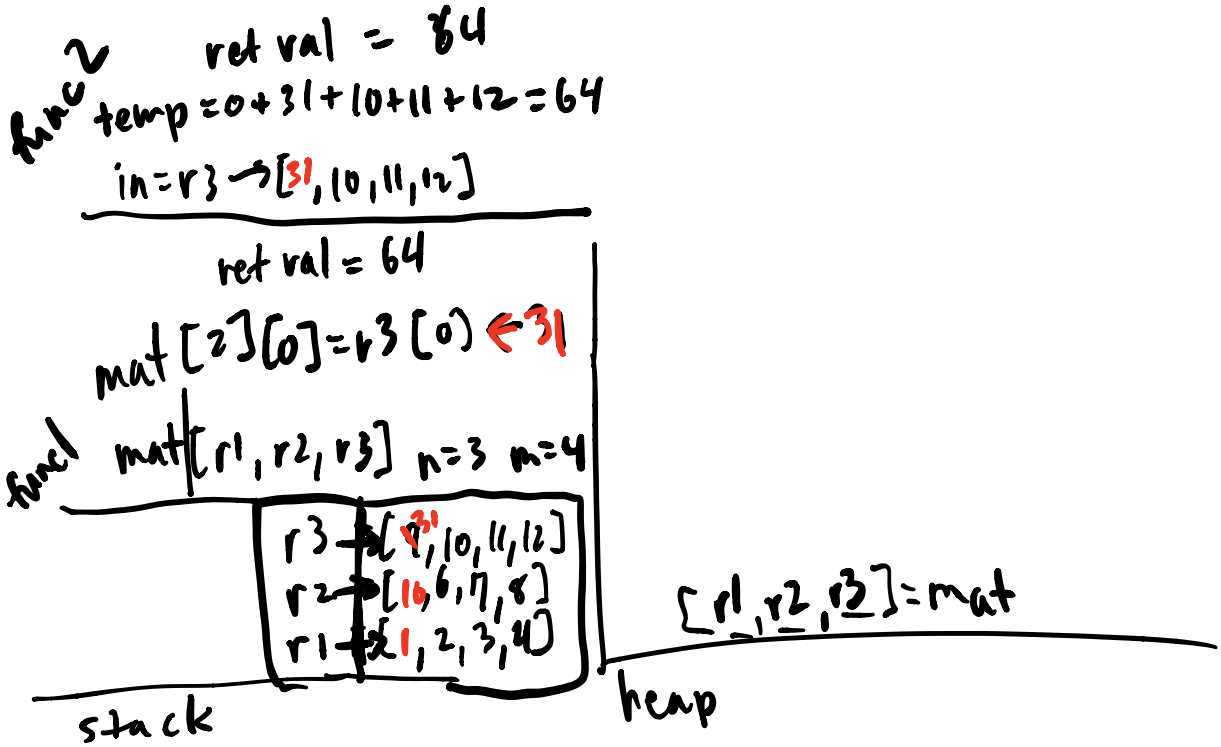
(changes are marked in red)



Return from n == 2



Return from n == 3



Rest of the main (the for loop)