

make String Slow

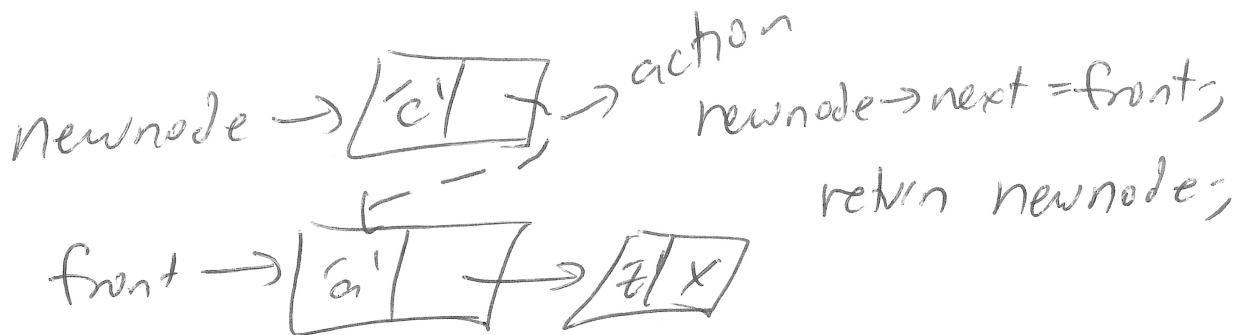
loop n times

Insert Back

$$1 + 2 + 3 + \dots + 10^5 \sim \underline{\underline{5 \times 10^9}}$$

big

Insert Front



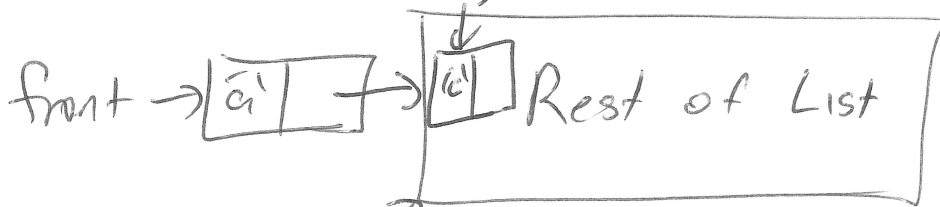
Reversing String

Recursively

$\rightarrow$ [a|x] return front

$\rightarrow$ x return front

second

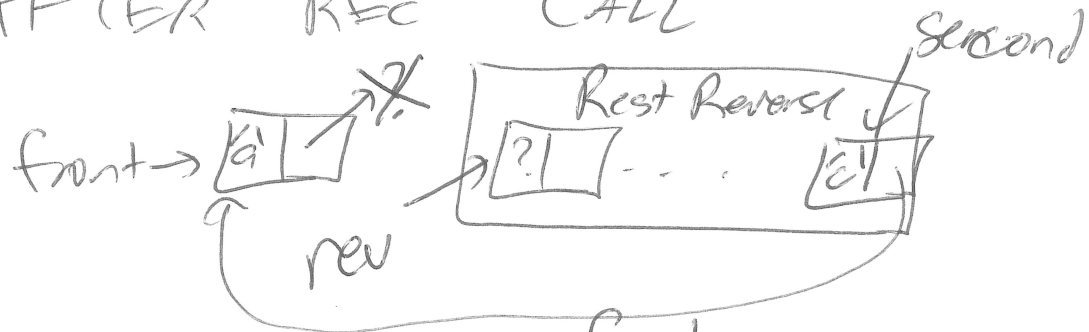


call reverse on This

Reverse("house")

Reverse("ouse") + 'h'
esuoh

AFTER REC CALL



$\text{second} \rightarrow \text{next} = \text{front};$
 $\text{front} \rightarrow \text{next} = \text{NULL};$
 $\text{return rev};$

word $\rightarrow$ [c] $\rightarrow$ [e] $\rightarrow$ [t] $\rightarrow$ [!]|x

ans $\rightarrow$ [c] $\rightarrow$ [A] $\rightarrow$ [t] $\rightarrow$ [!]|x

front $\rightarrow$ [c]|x back $\rightarrow$ [A]|x cur $\rightarrow$ [A]|x

word $\rightarrow$ [c] $\rightarrow$ [e] $\rightarrow$ [t] $\rightarrow$ [?]|