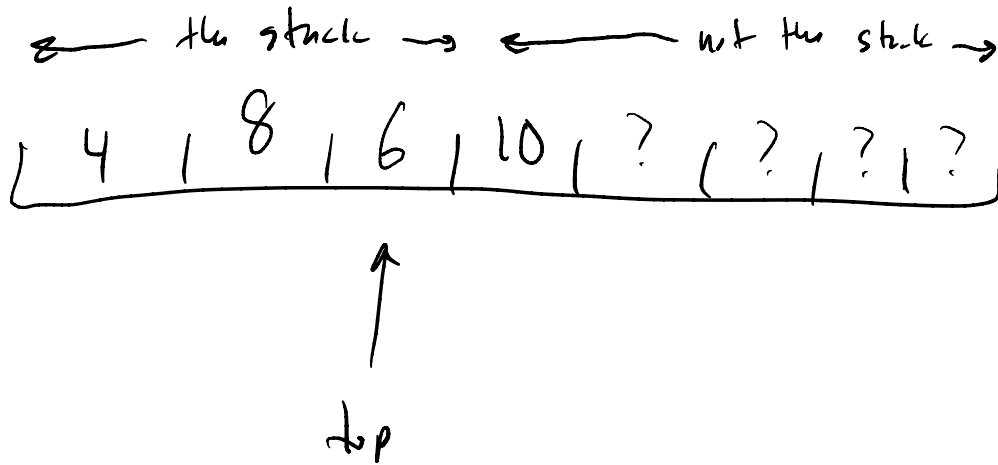$$T(n) = \Theta(n^2)$$

$T(n)$ is in the set of functions asymptotically bounded above and below by n^2
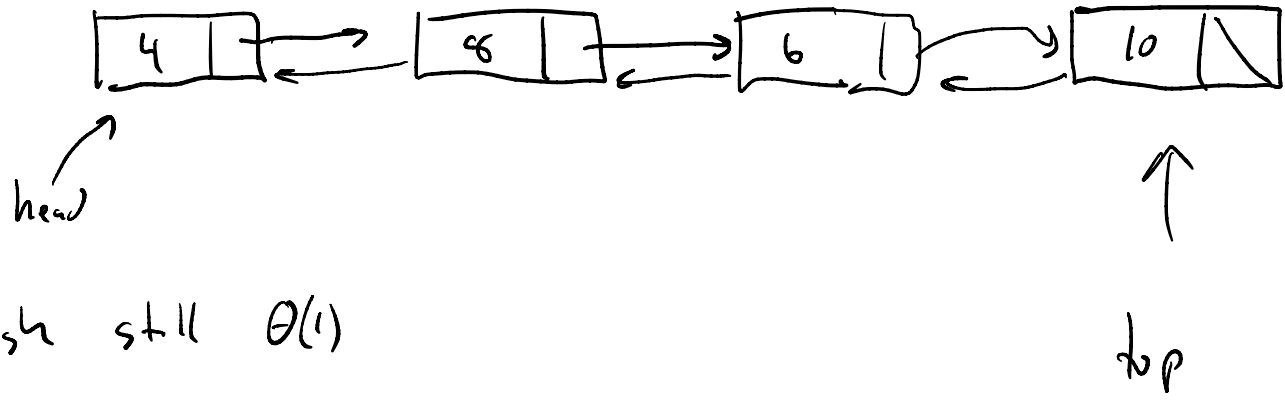
Stacks

push (x) — put x on the stack $\Theta(1)$

pop () — remove and return the item on top of the stack

$\Theta(1)$

← the stack → ← not the stack →

{ 4 | 8 | 6 | 10 | ? | ? | ? | ? }

↑

top

Stack w/ linked list

head

push still $\Theta(1)$

pop also $\Theta(1)$