



• Random direction

Explored  
 (0,0)  
 (0,1)  
 (1,1)  
 (1,2)

To Explore  
 (1,0)  
 (2,1) ←  
 ≡≡≡ ←

# Stack ADT

push: adds item to top

pop: removes item from top

getSize

peek: look at the top item

isEmpty

Lists are more powerful than Stacks.

	LL Big-O, method?	AL Big-O, method?
push	insertFirst $O(1)$	insertLast $O(1)$ <sup>amortized</sup>
pop	removeFirst $O(1)$	removeLast $O(1)$
peek	getFirst $O(1)$	getLast $O(1)$
getSize		
isEmpty		

