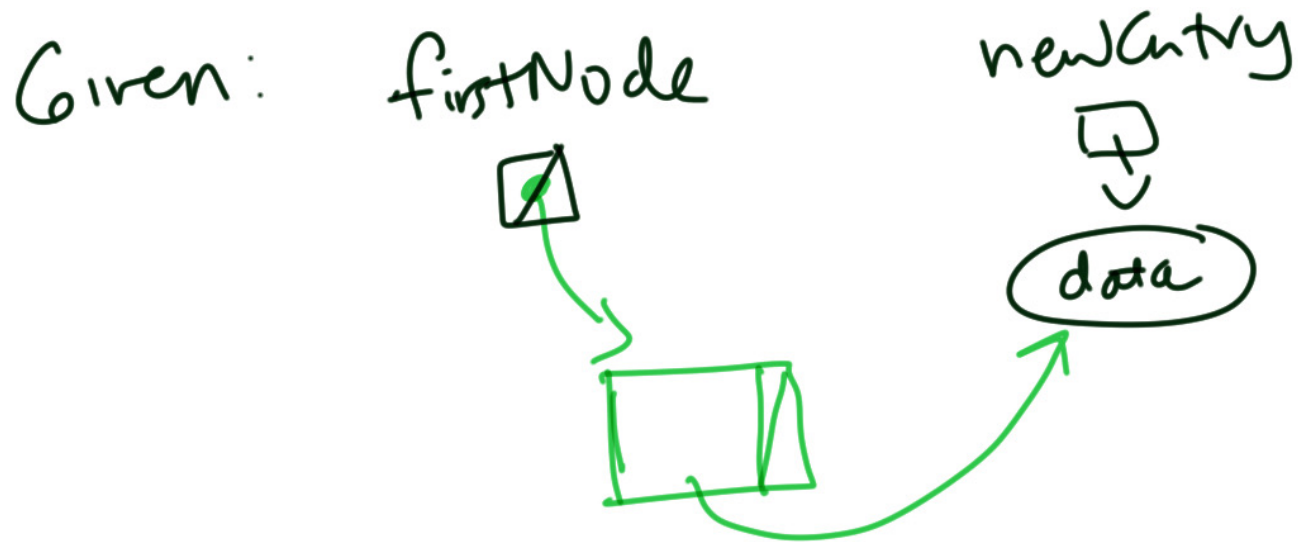


Adding a Node

CASES:

- Chain is empty
- Add at the beginning
- Add between adjacent nodes
- Add at the end of the chain

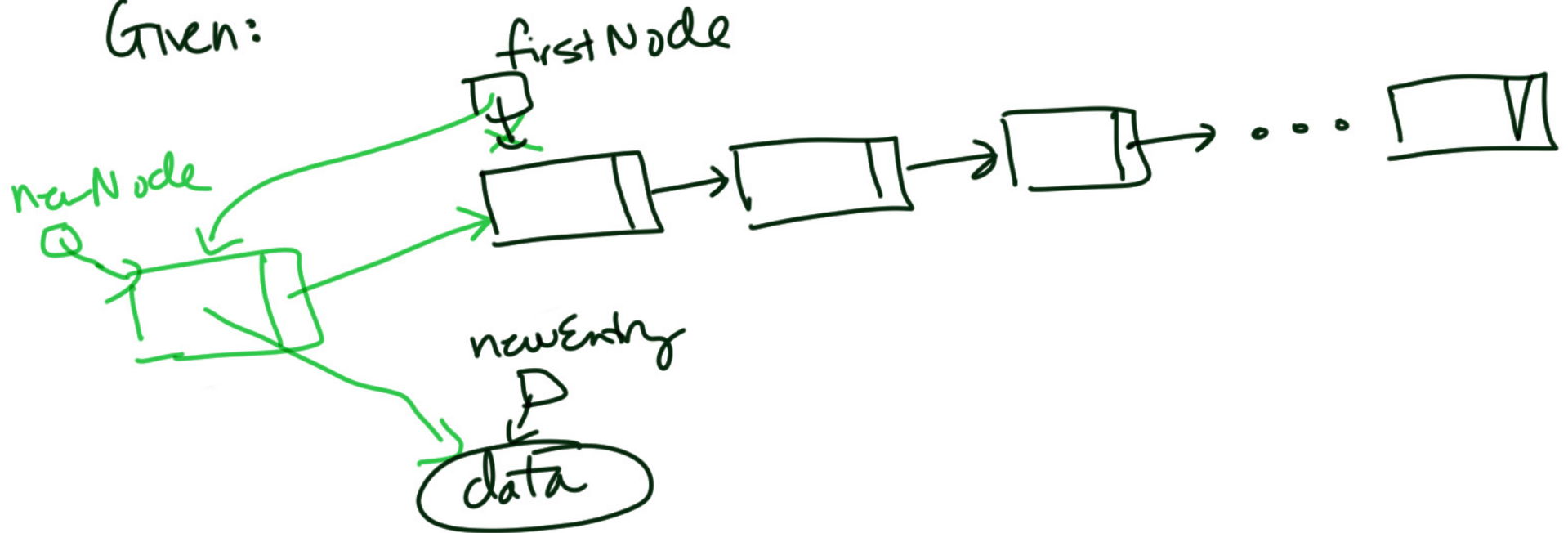
Adding a Node to an Empty Chain



- create a node
- populate node (data, next)
- update firstNode

Adding a Node to The Beginning of a Chain

Given:



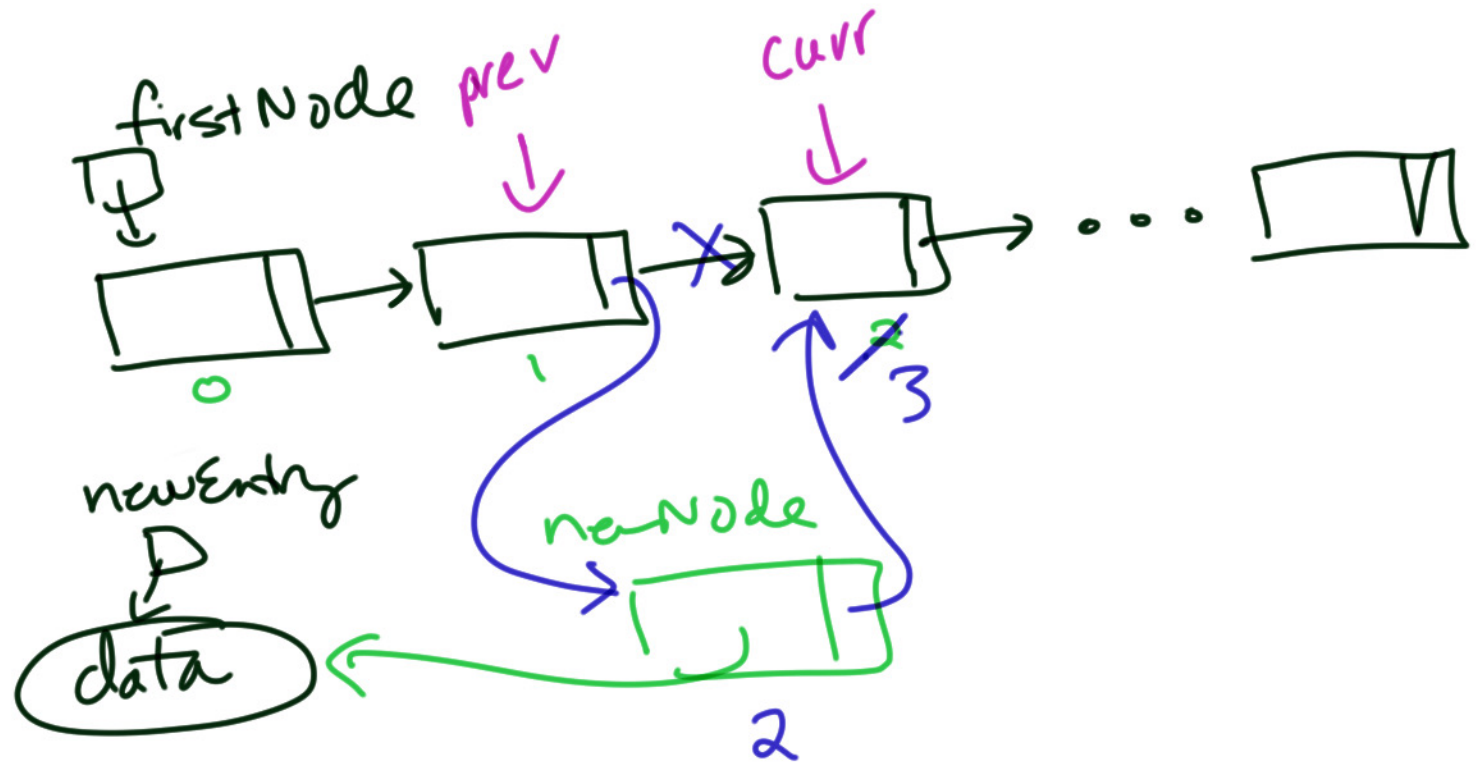
- create a new Node
- set data & next accordingly
- update firstNode

Adding a Node Between Adjacent Nodes

Given:

given position
also given

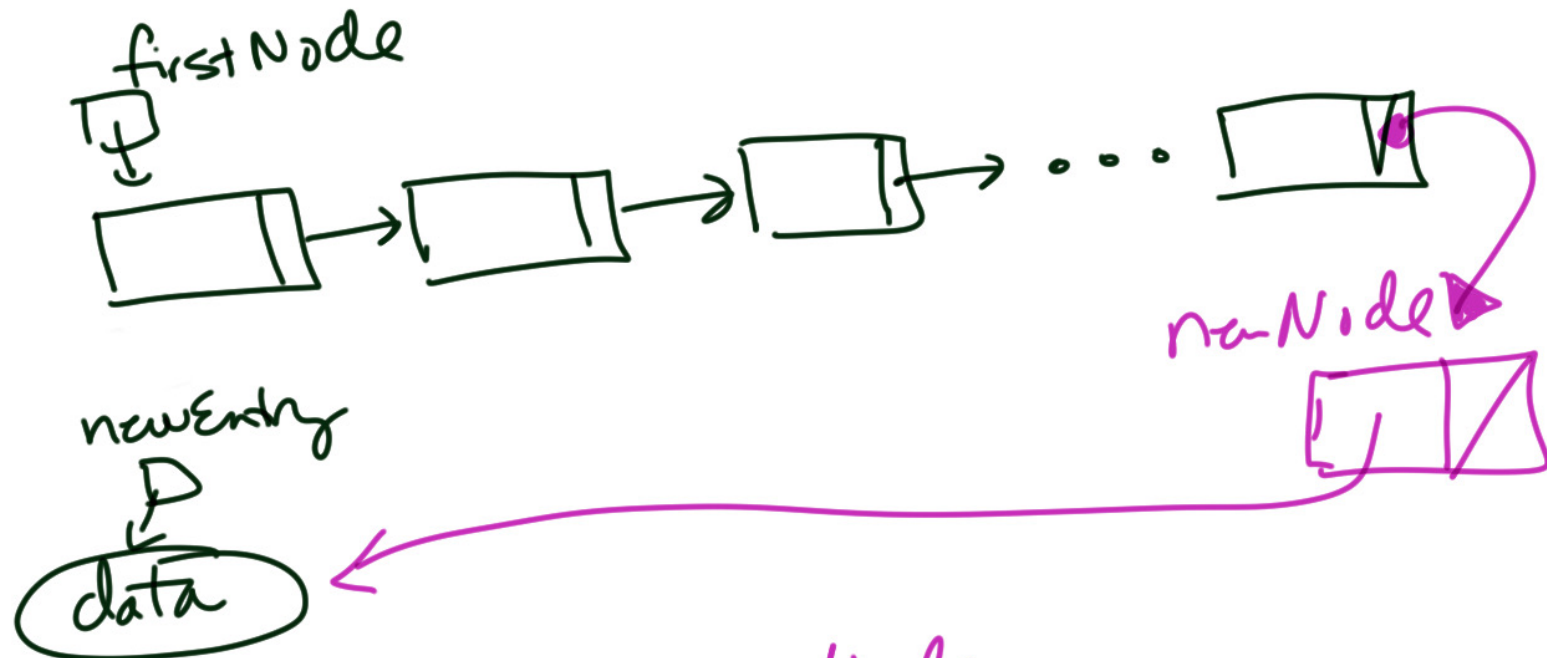
2



- new Node create
- populate data
- figure out how to populate next, do it
- update the chain

Adding a Node to The End of the chain

Given:



- create a new Node
- populate new Node
- update chain