

3.3 RED-BLACK BST DEMO



[click to begin demo](#)

Red-black BST insertion

insert S

Red-black BST insertion

insert S



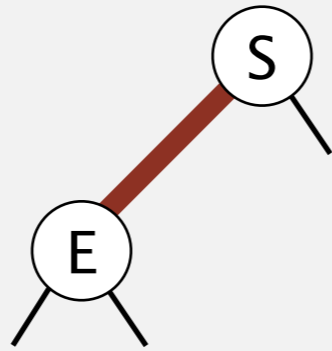
Red-black BST insertion

insert E



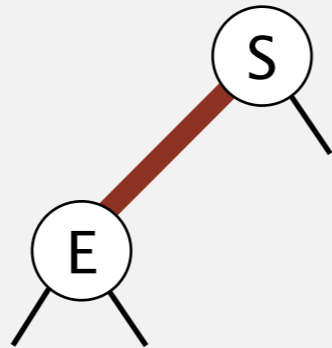
Red-black BST insertion

insert E



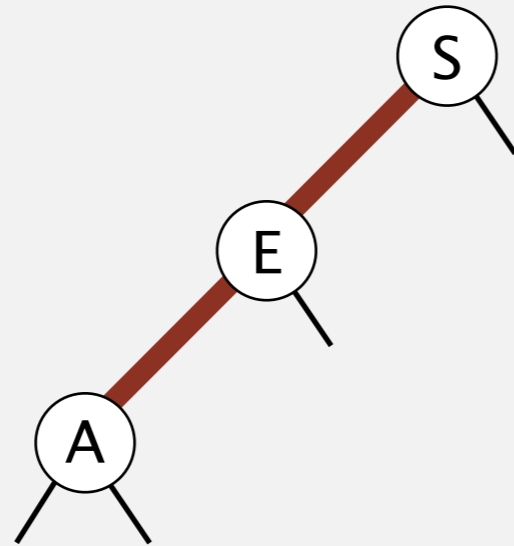
Red-black BST insertion

insert A



Red-black BST insertion

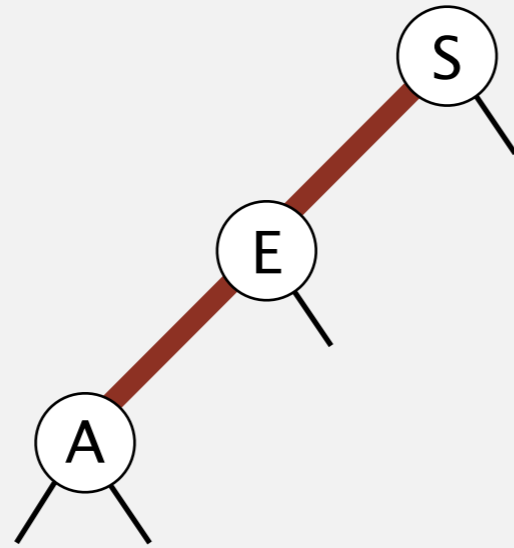
insert A



Red-black BST insertion

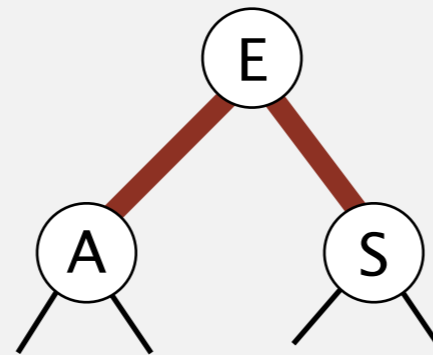
insert A

two left reds in a row
(rotate S right)



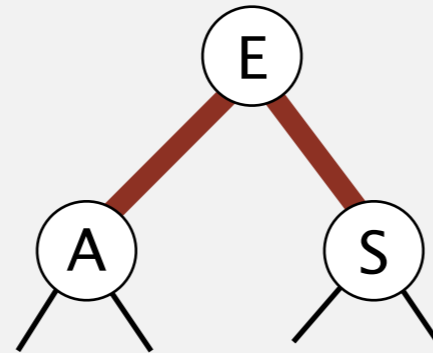
Red-black BST insertion

both children red
(flip colors)



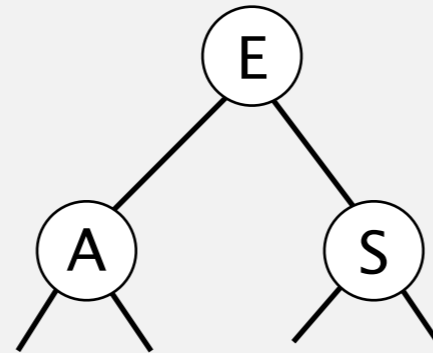
Red-black BST insertion

both children red
(flip colors)



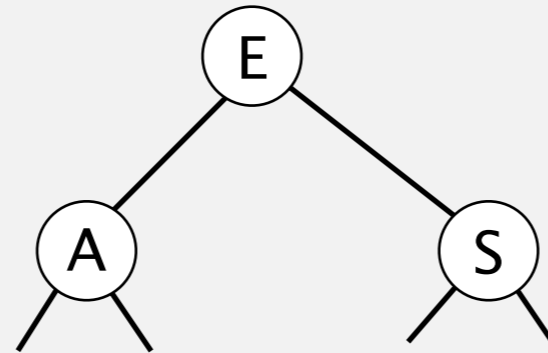
Red-black BST insertion

red-black BST



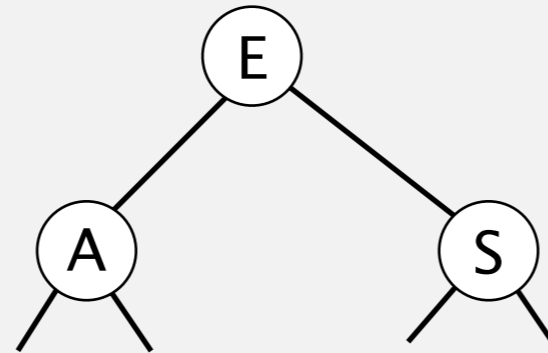
Red-black BST insertion

red-black BST



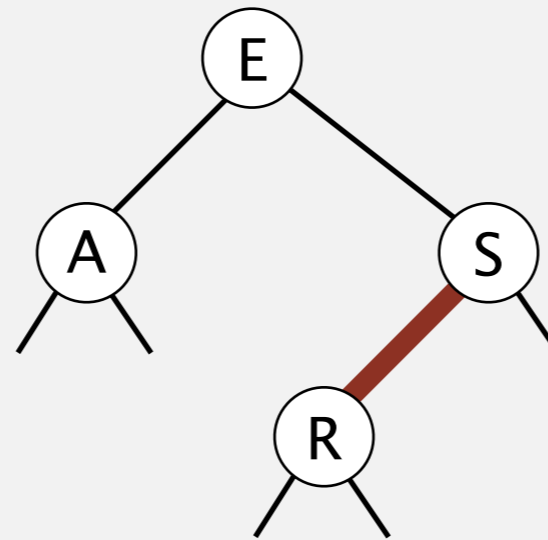
Red-black BST insertion

insert R



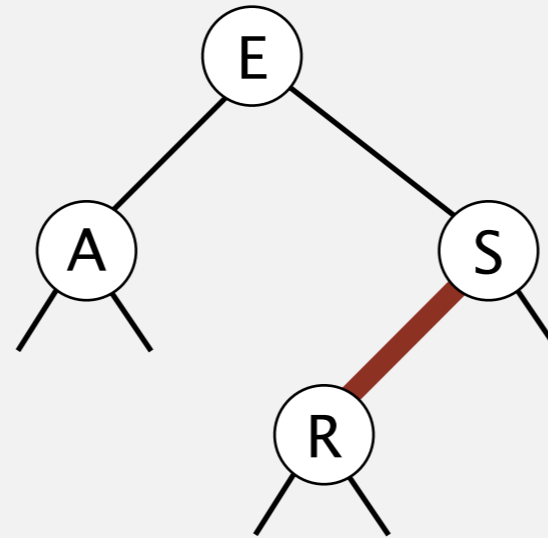
Red-black BST insertion

insert R



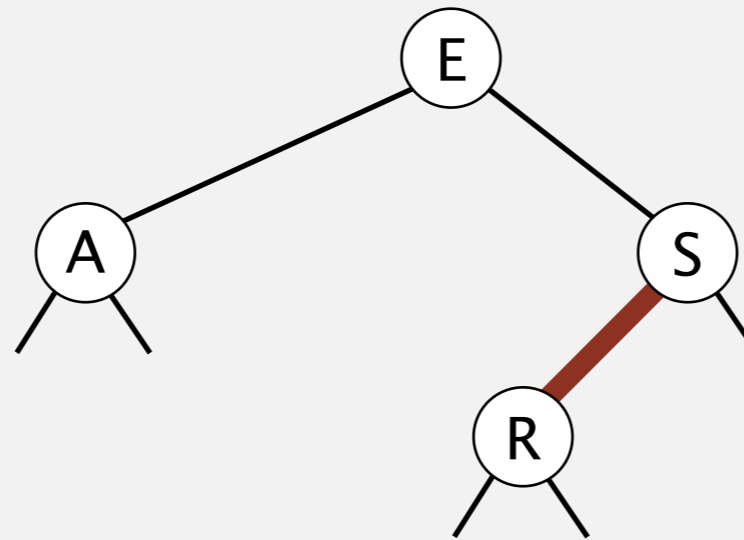
Red-black BST insertion

red-black BST



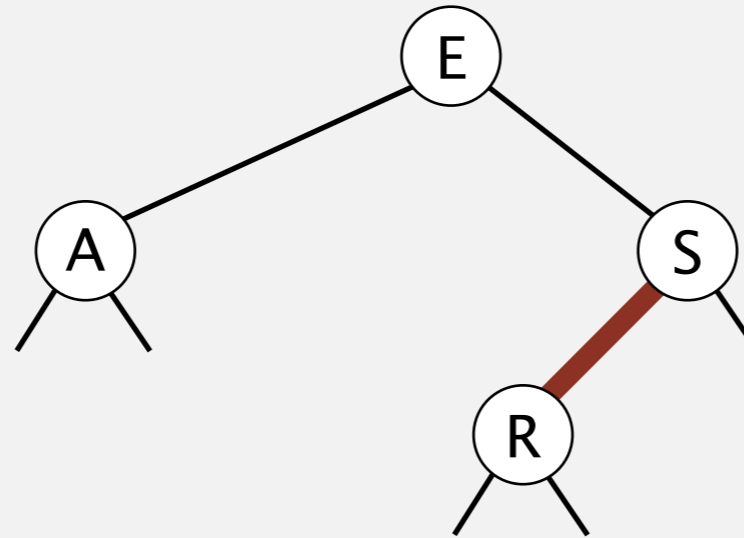
Red-black BST insertion

red-black BST



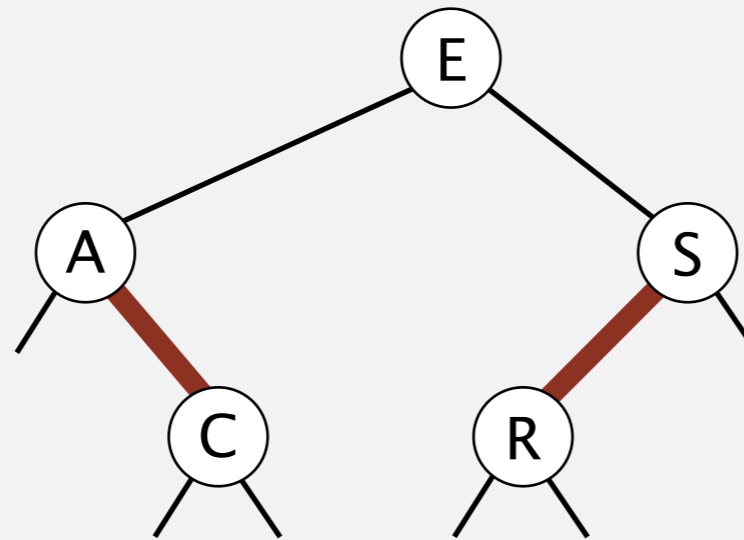
Red-black BST insertion

insert C

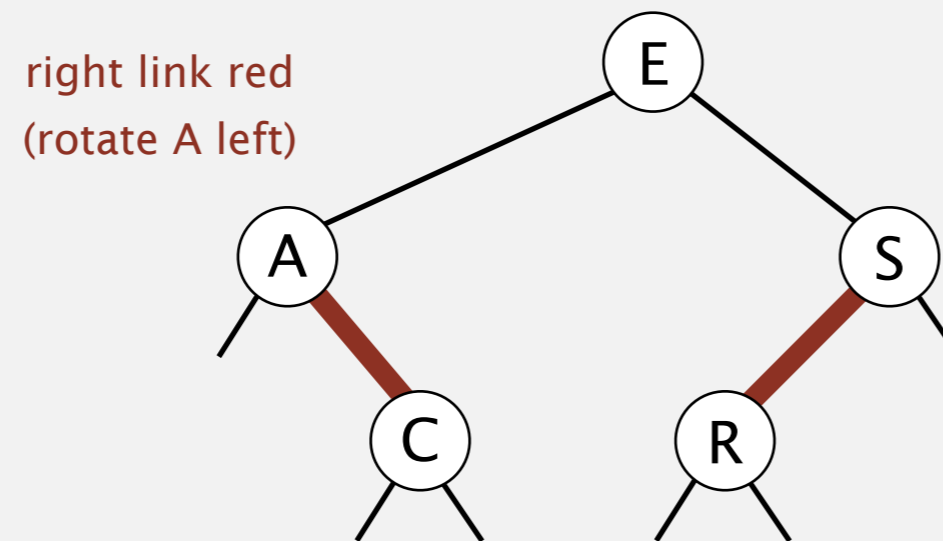


Red-black BST insertion

insert C

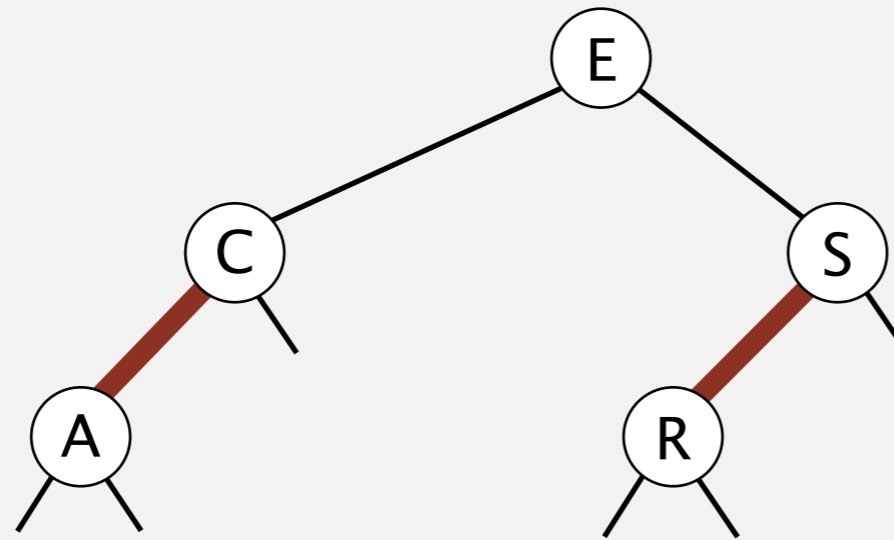


Red-black BST insertion



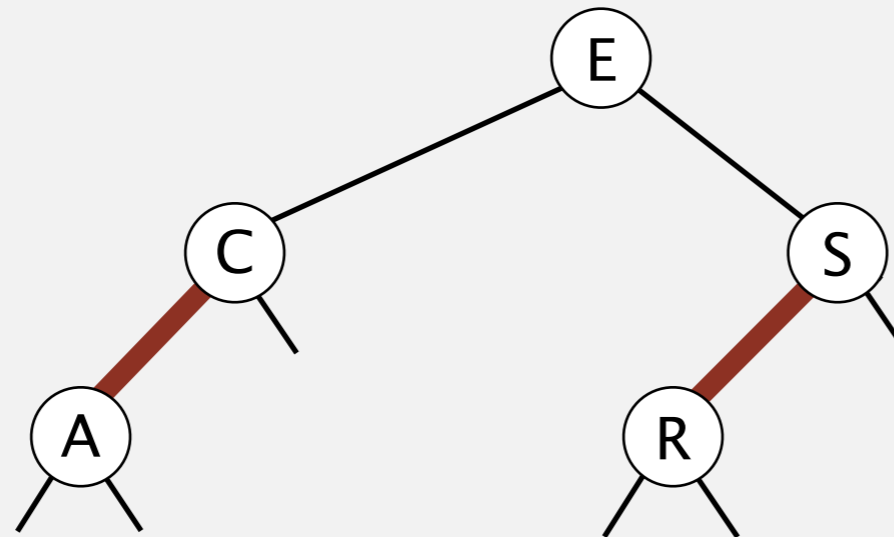
Red-black BST insertion

red-black BST



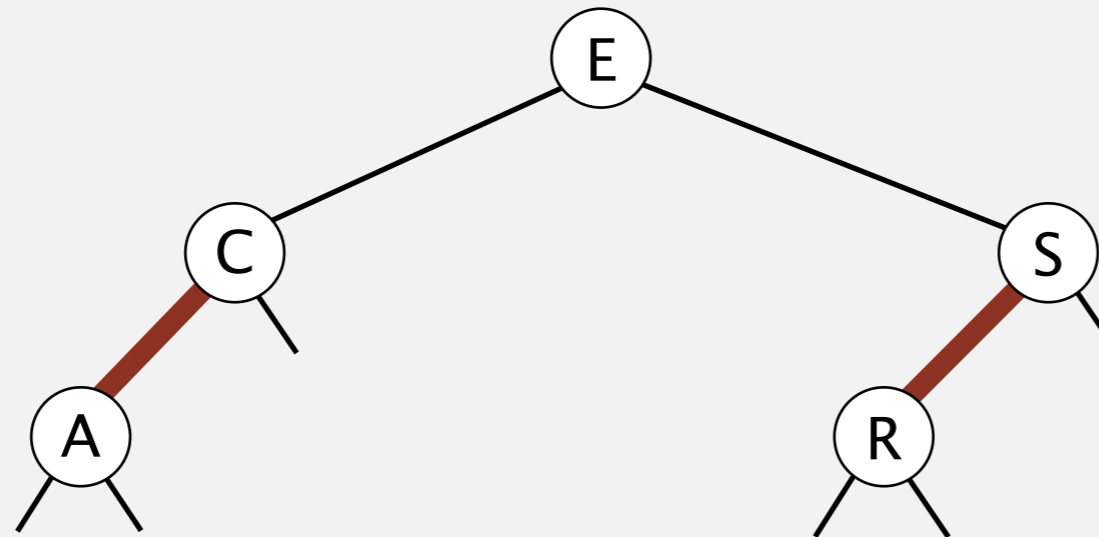
Red-black BST insertion

red-black BST



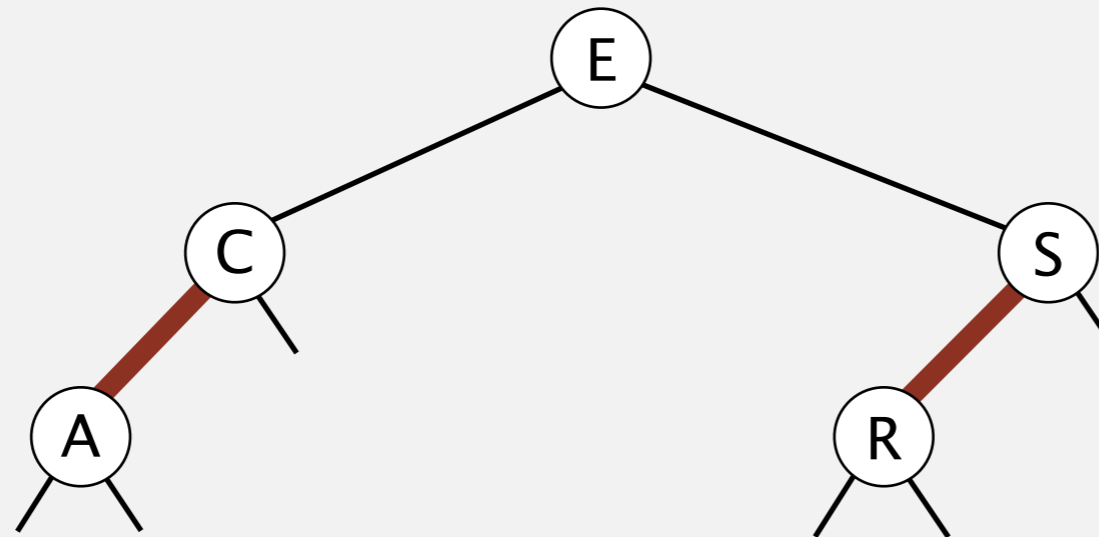
Red-black BST insertion

red-black BST



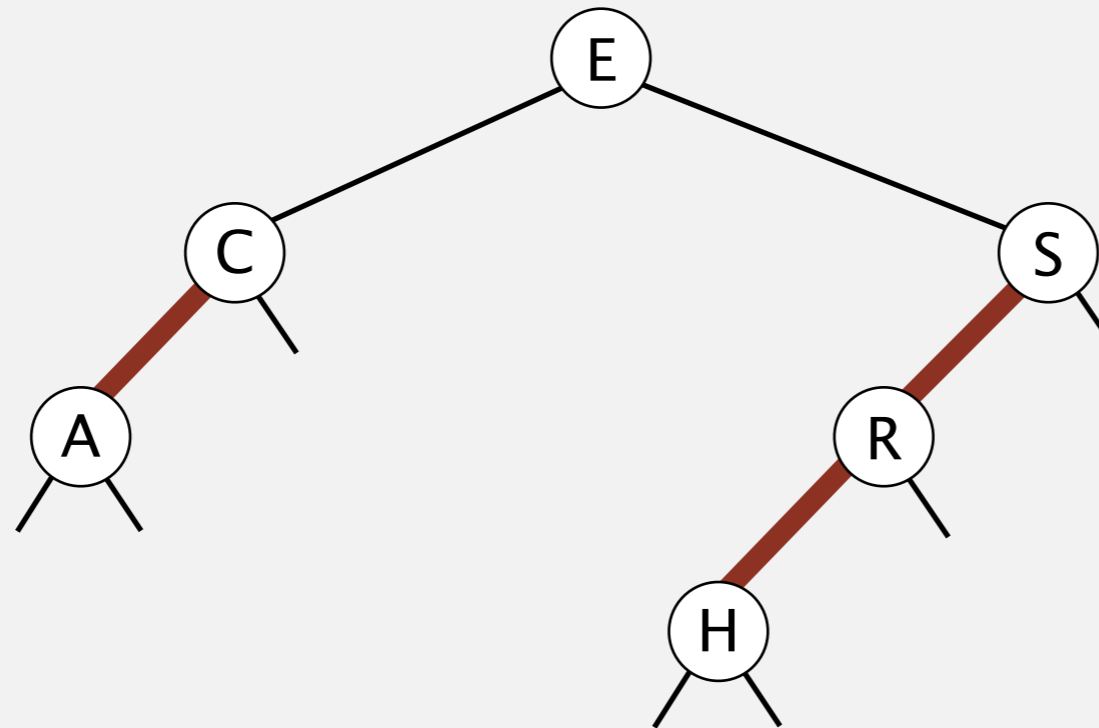
Red-black BST insertion

insert H

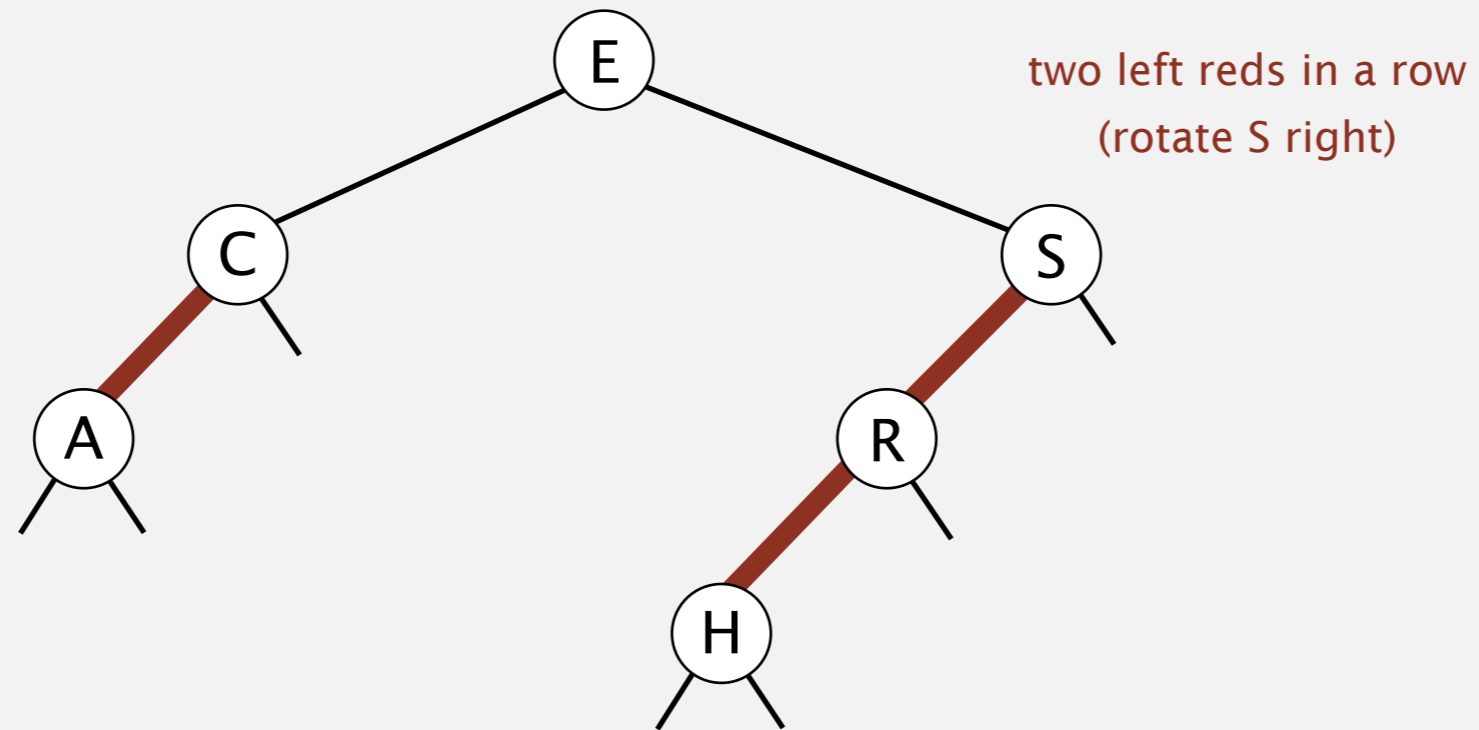


Red-black BST insertion

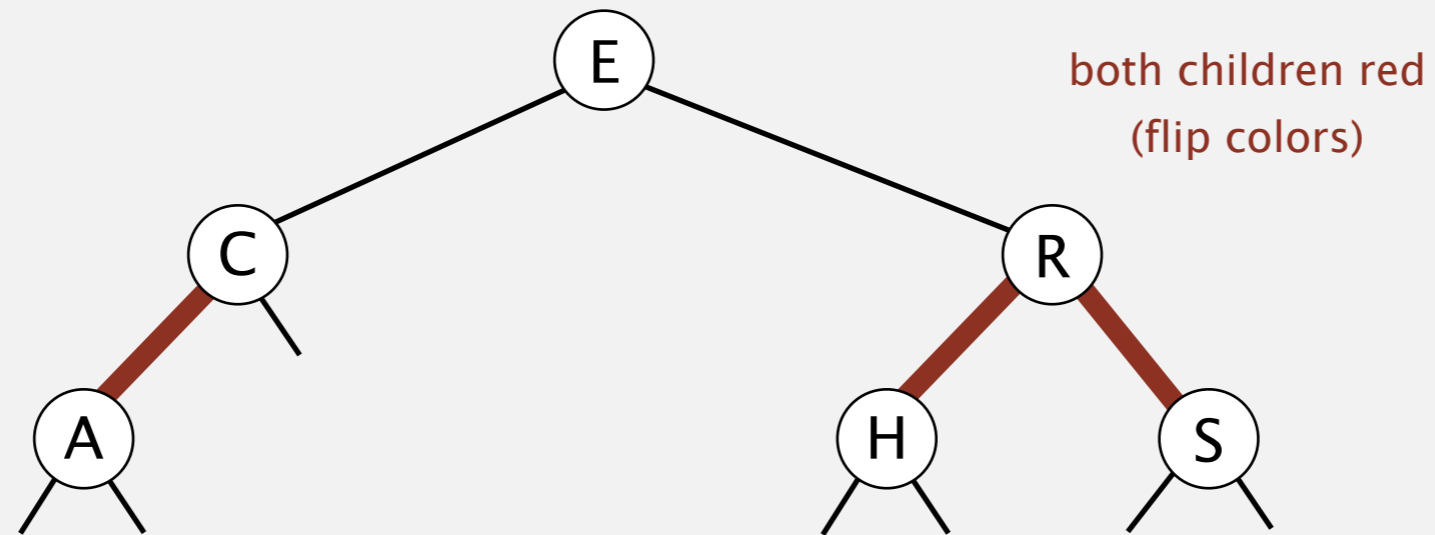
insert H



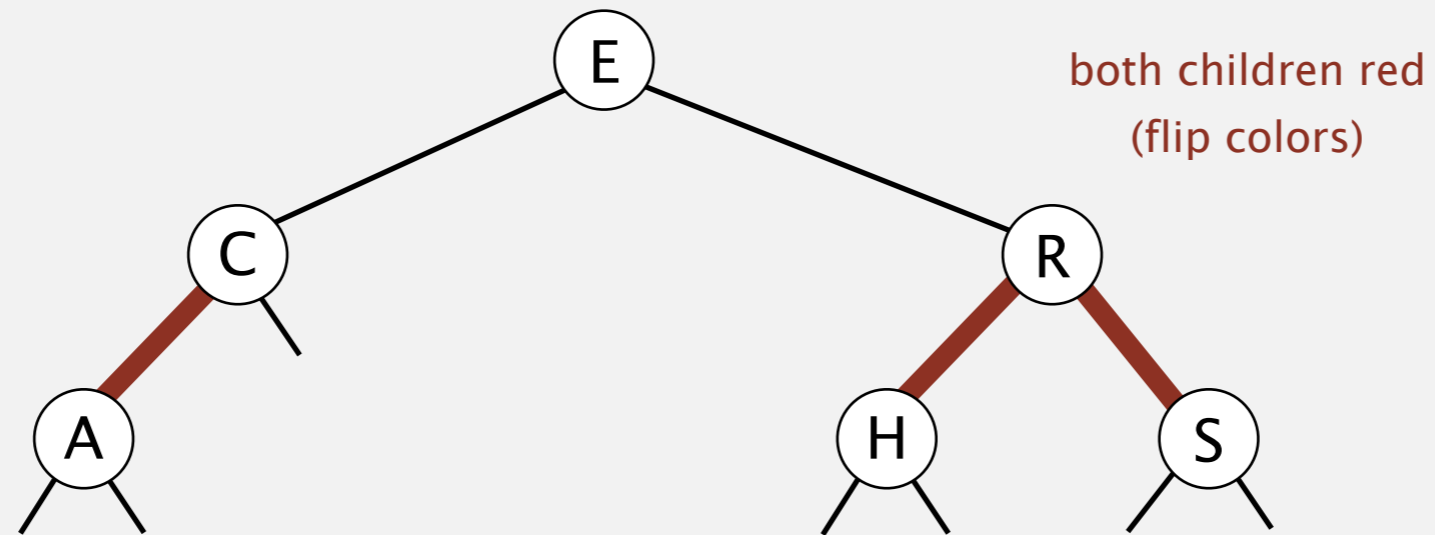
Red-black BST insertion



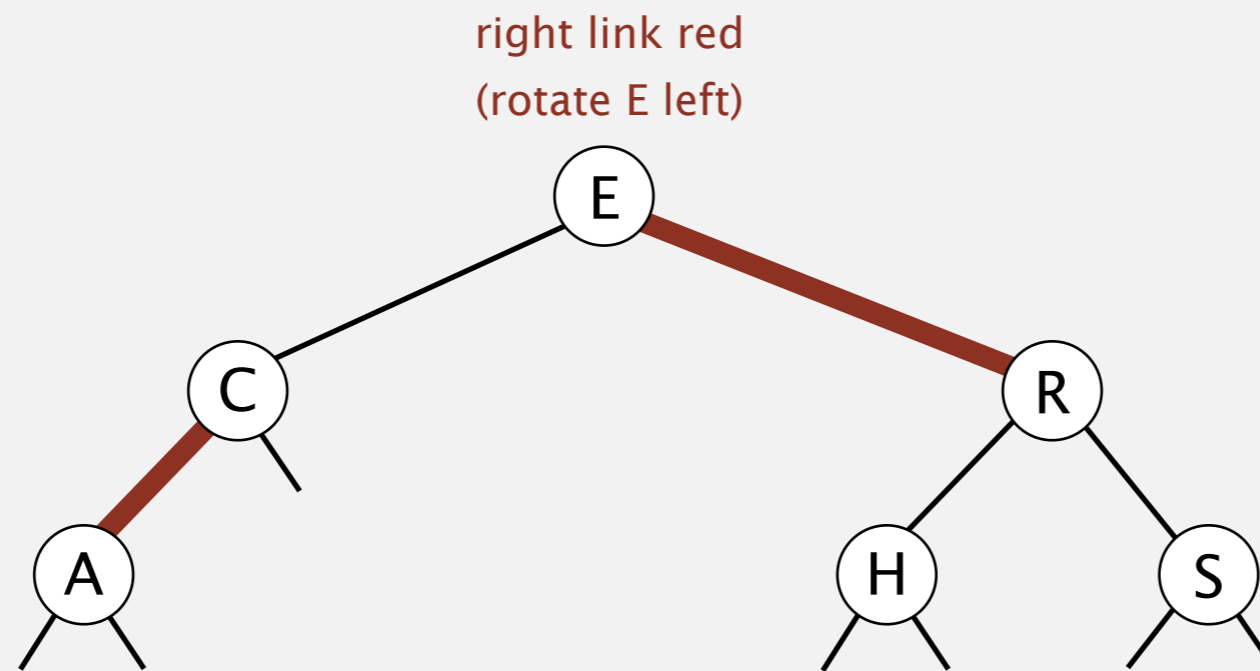
Red-black BST insertion



Red-black BST insertion

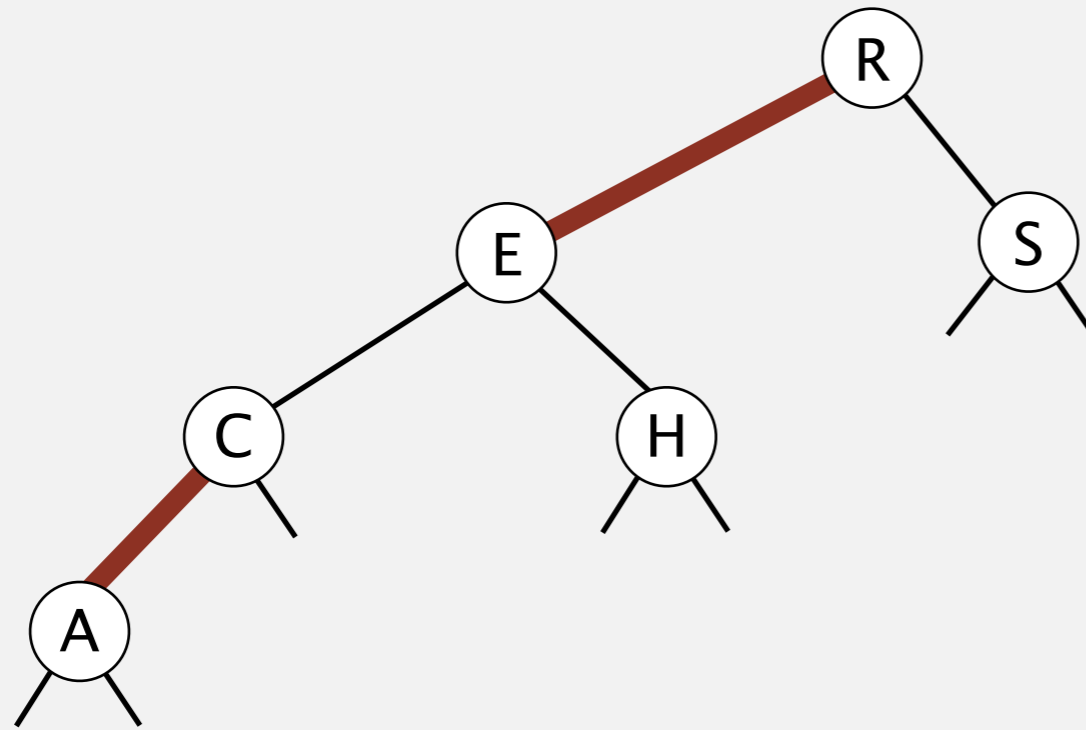


Red-black BST insertion



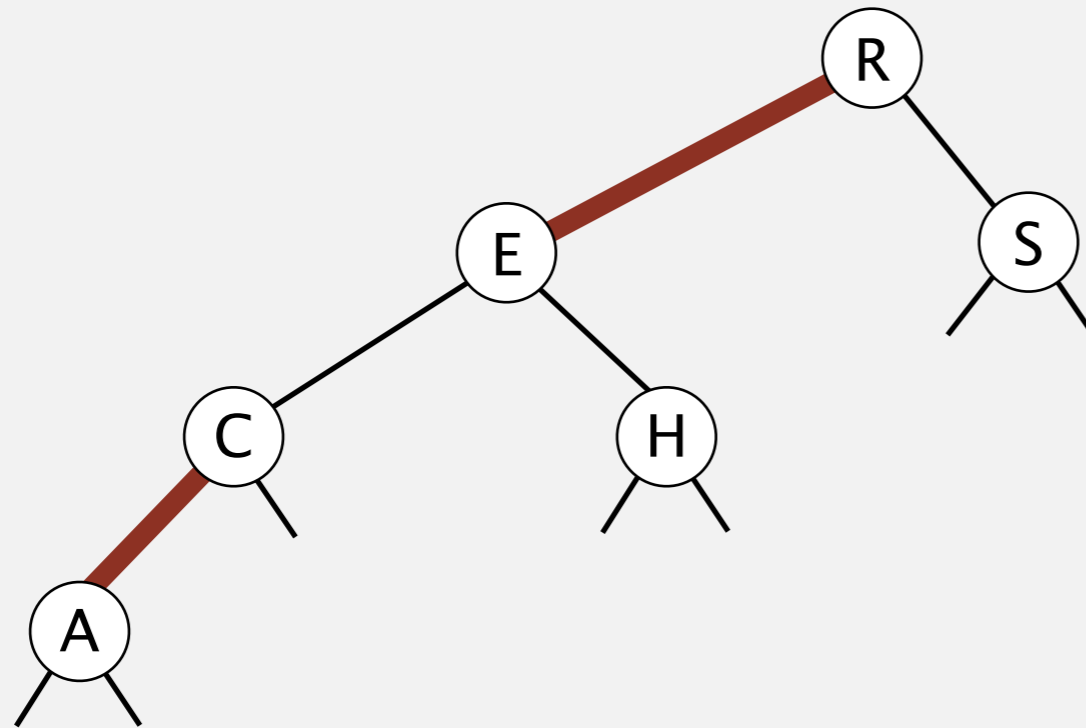
Red-black BST insertion

red-black BST



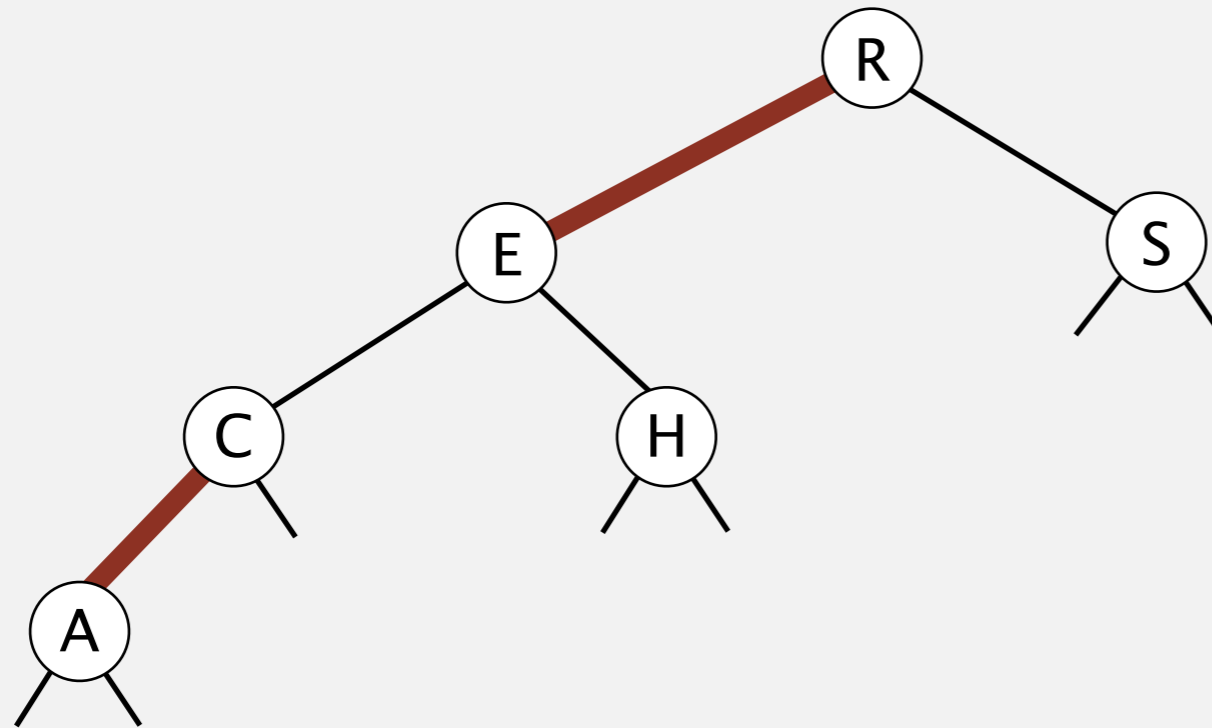
Red-black BST insertion

red-black BST



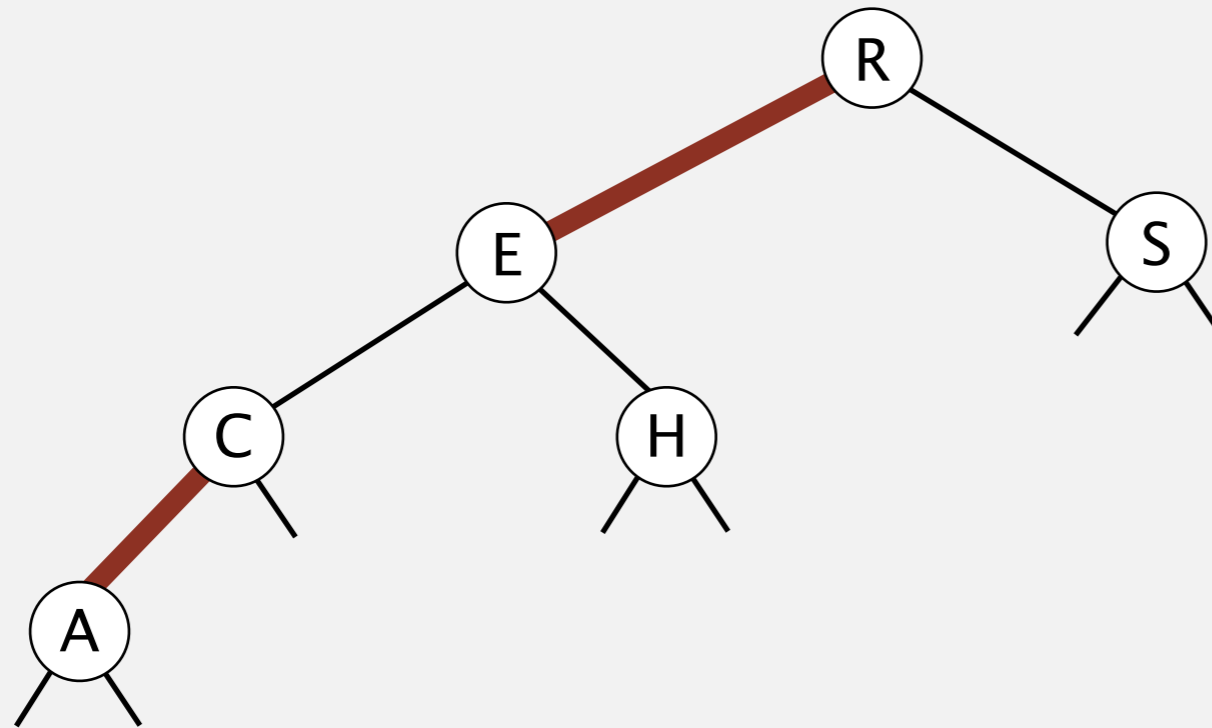
Red-black BST insertion

red-black BST



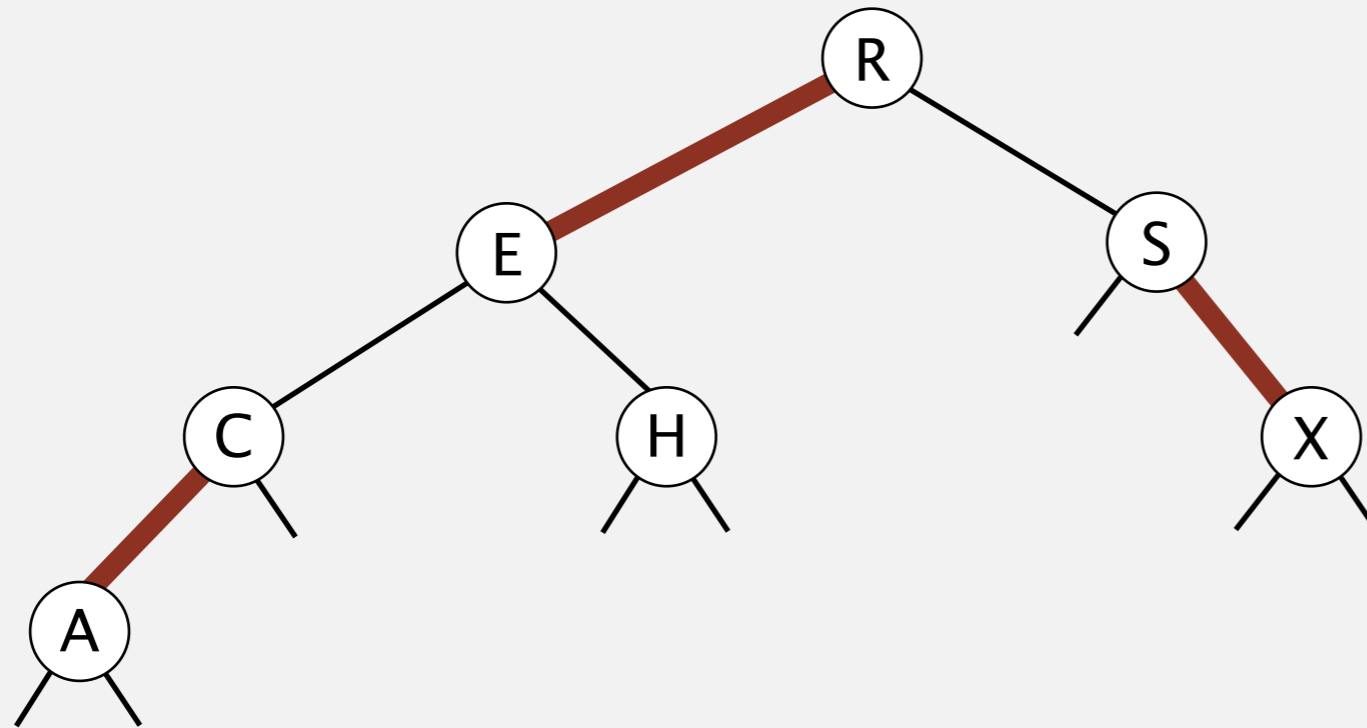
Red-black BST insertion

insert X



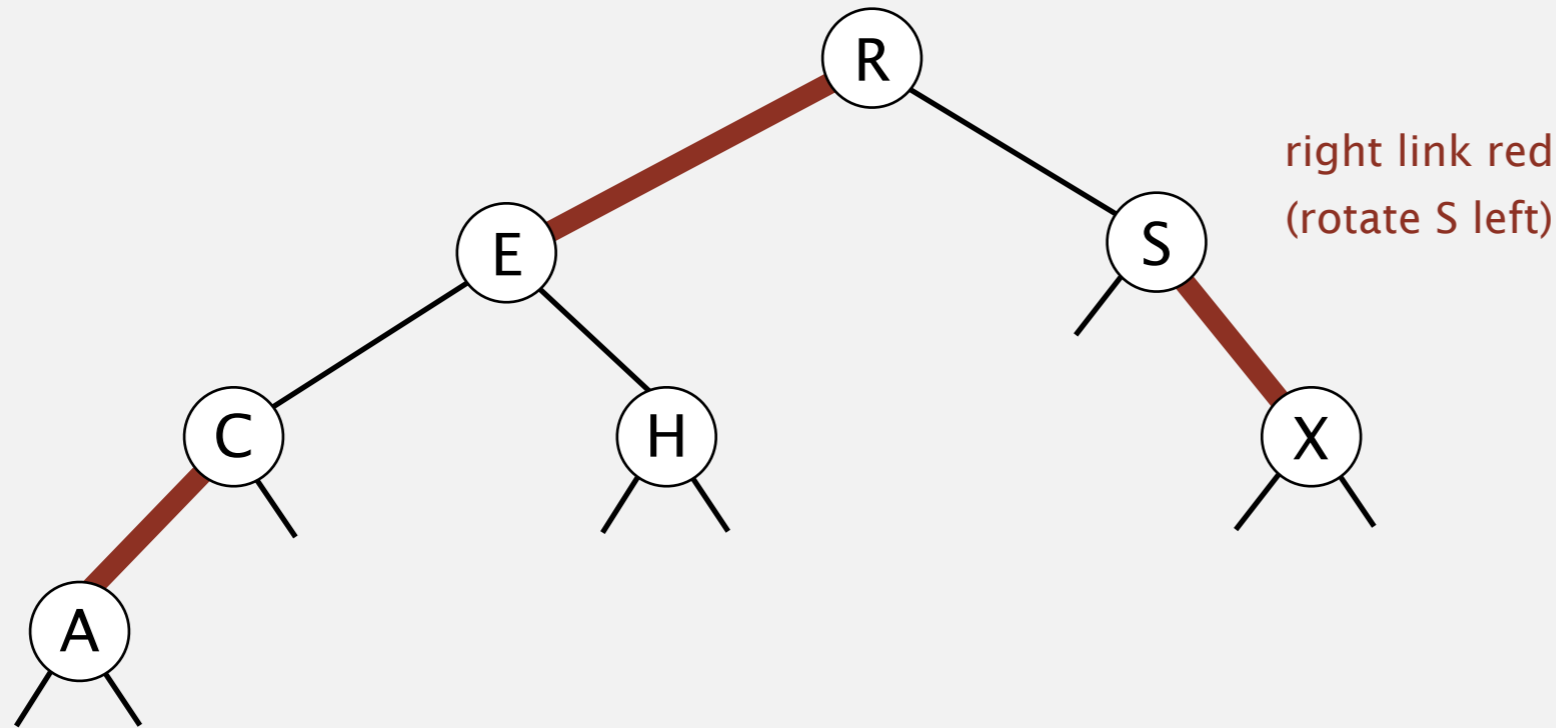
Red-black BST insertion

insert X



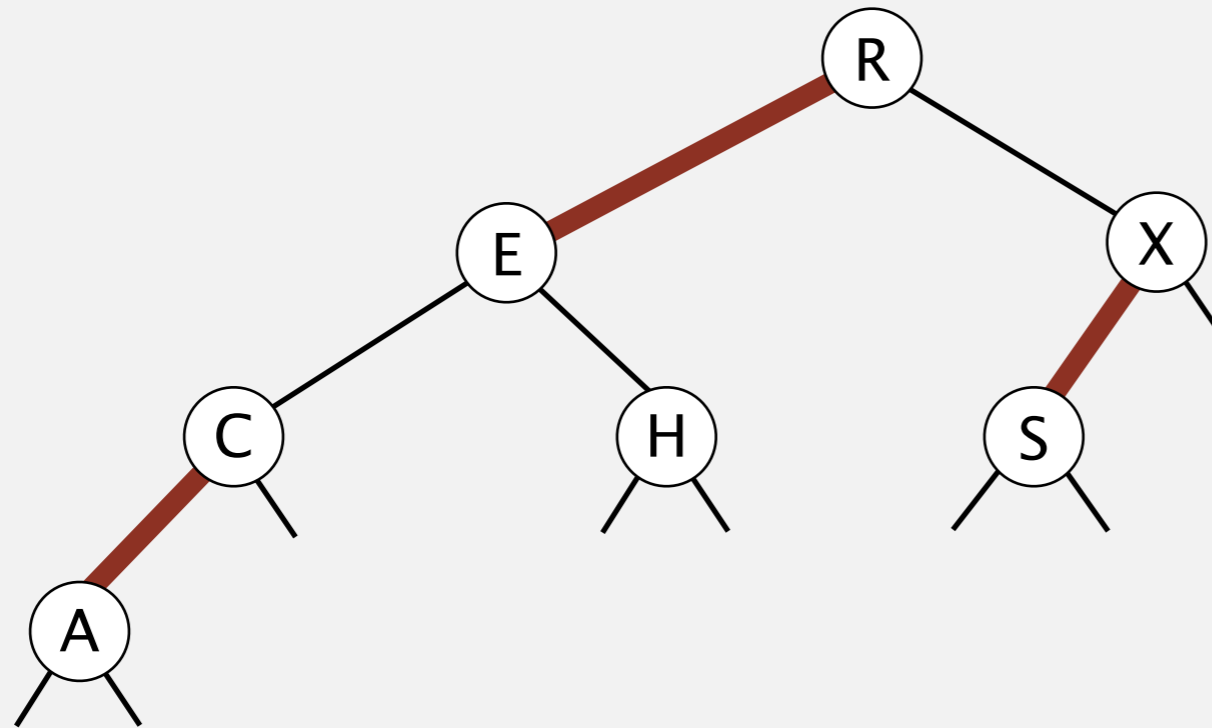
Red-black BST insertion

insert X



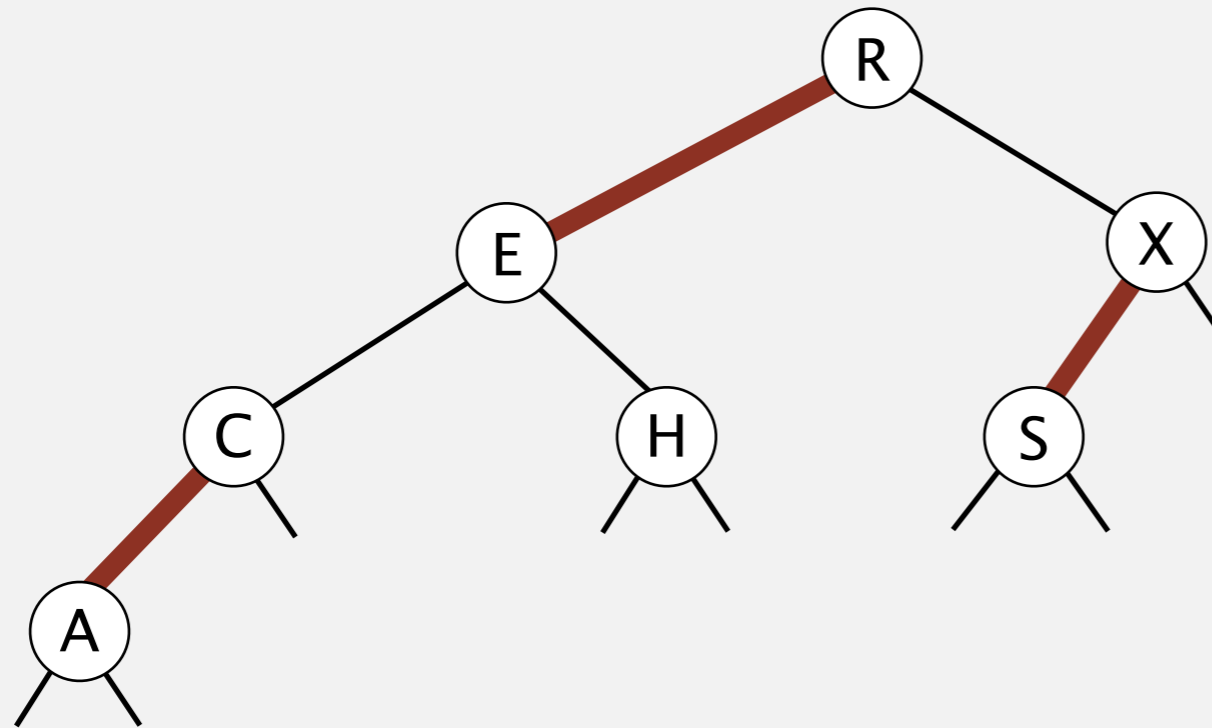
Red-black BST insertion

red-black BST



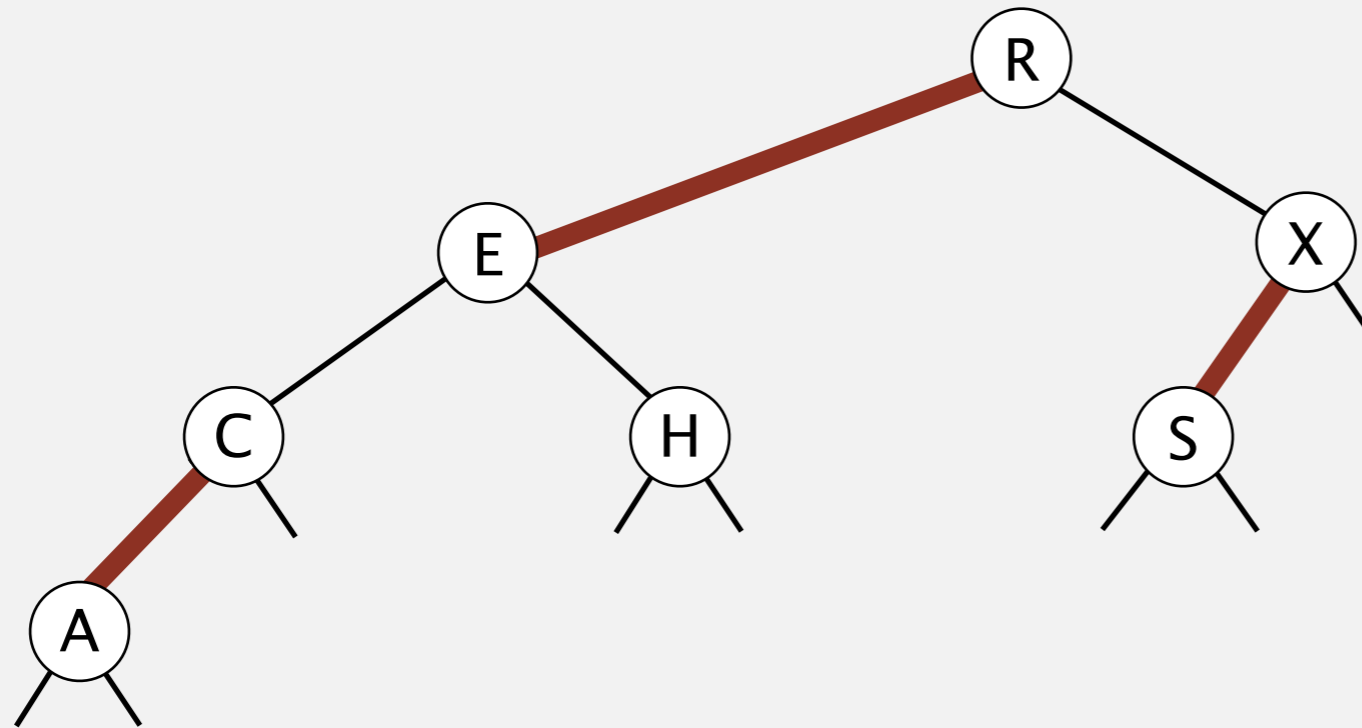
Red-black BST insertion

red-black BST



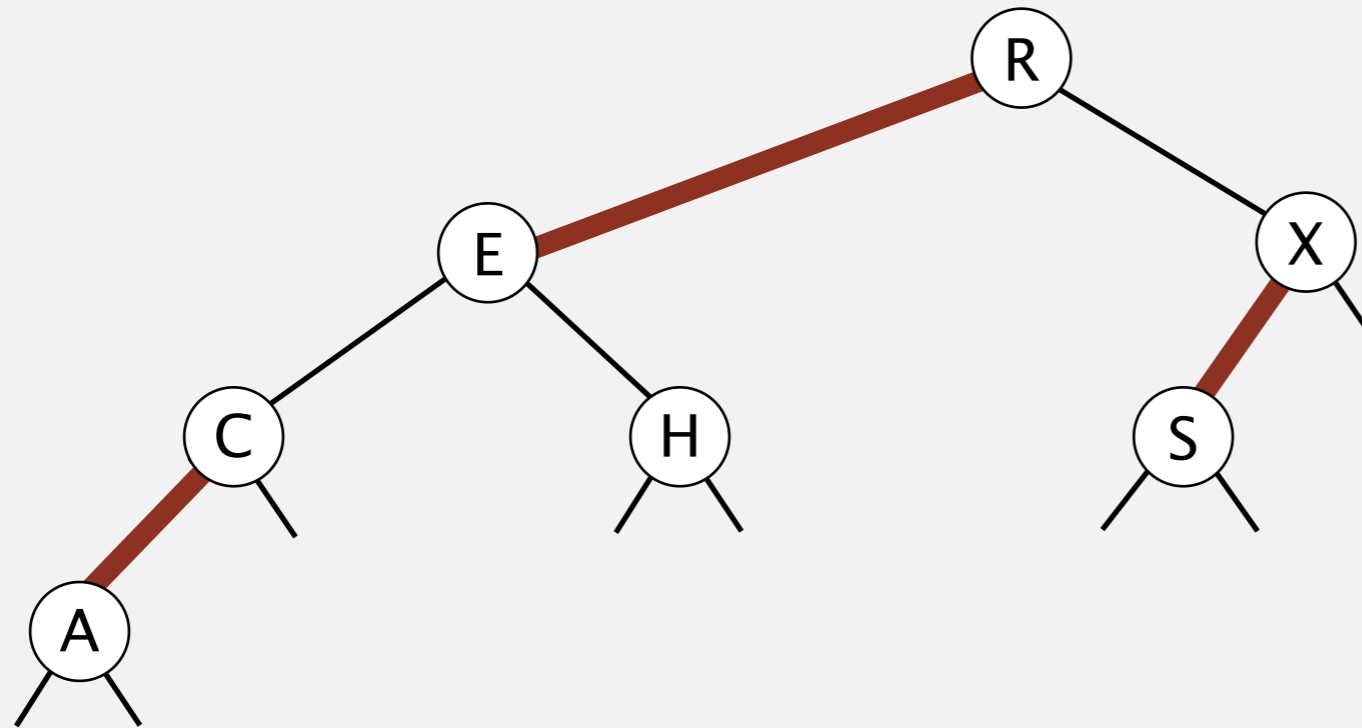
Red-black BST insertion

red-black BST



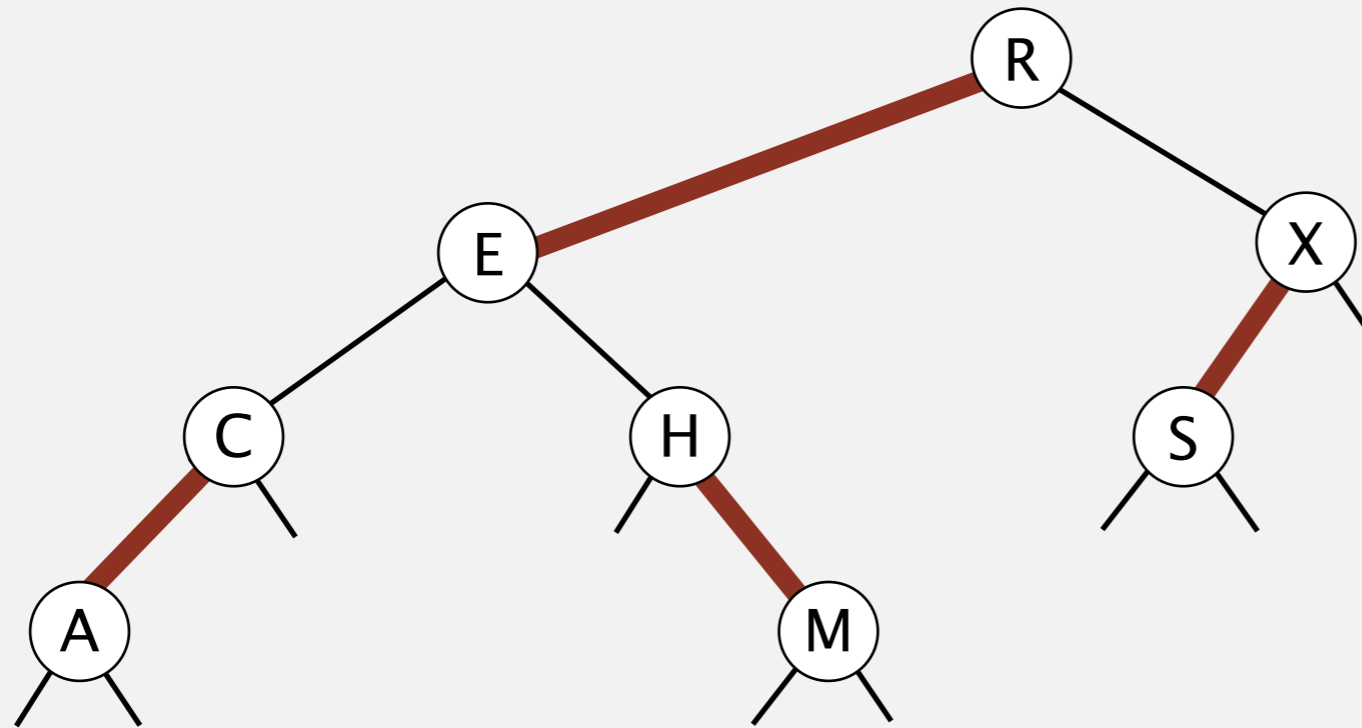
Red-black BST insertion

insert M



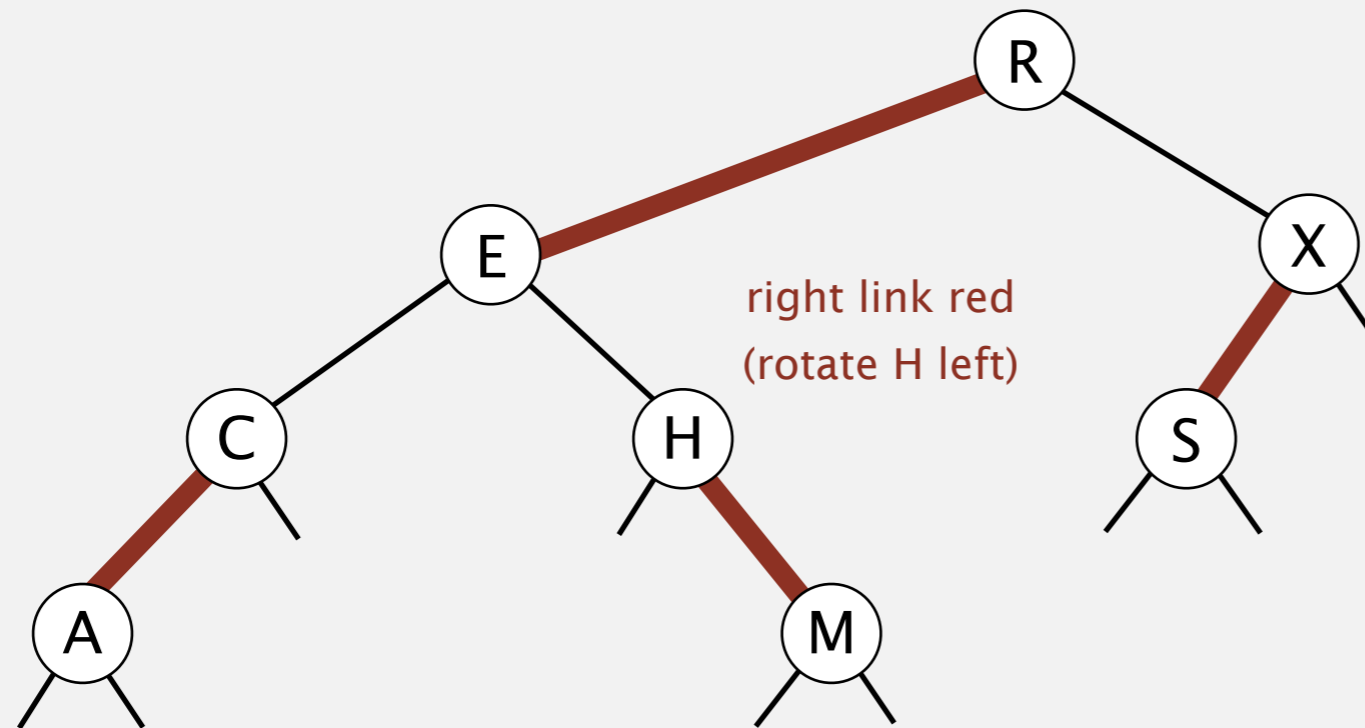
Red-black BST insertion

insert M



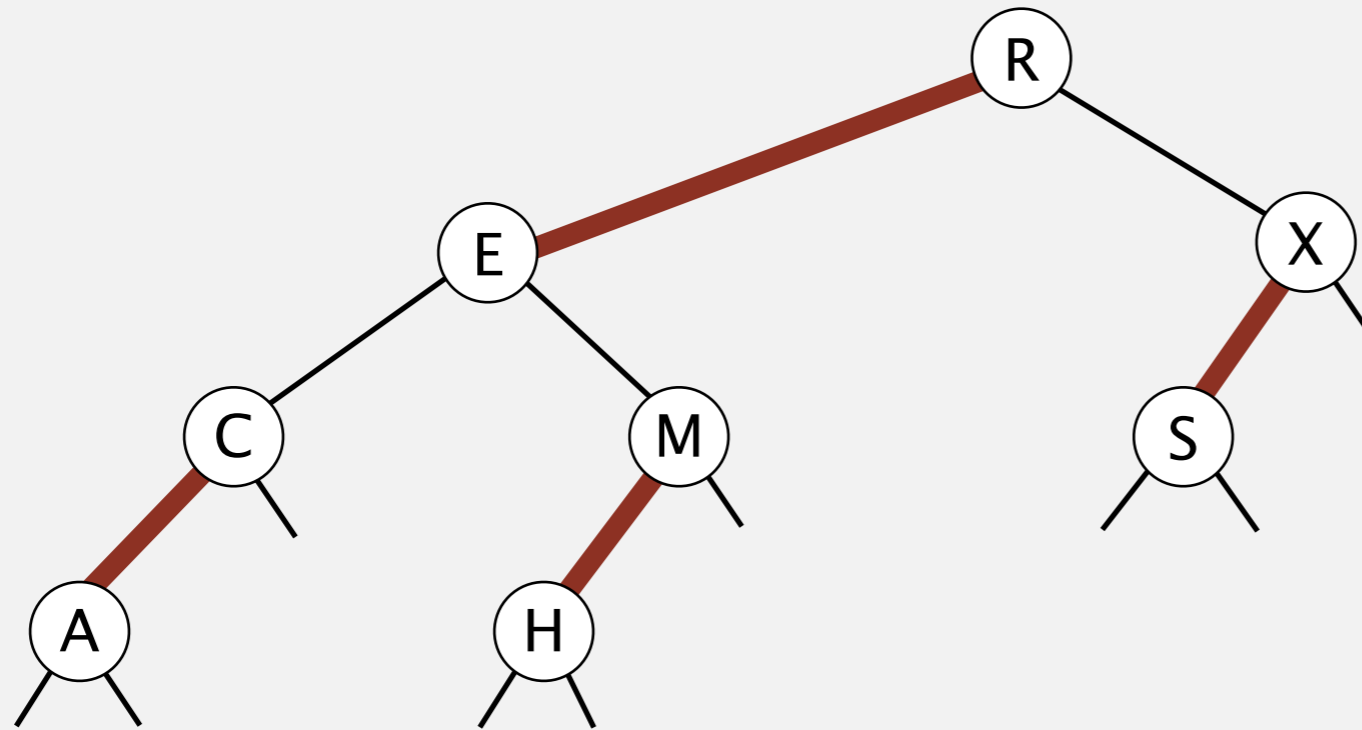
Red-black BST insertion

insert M



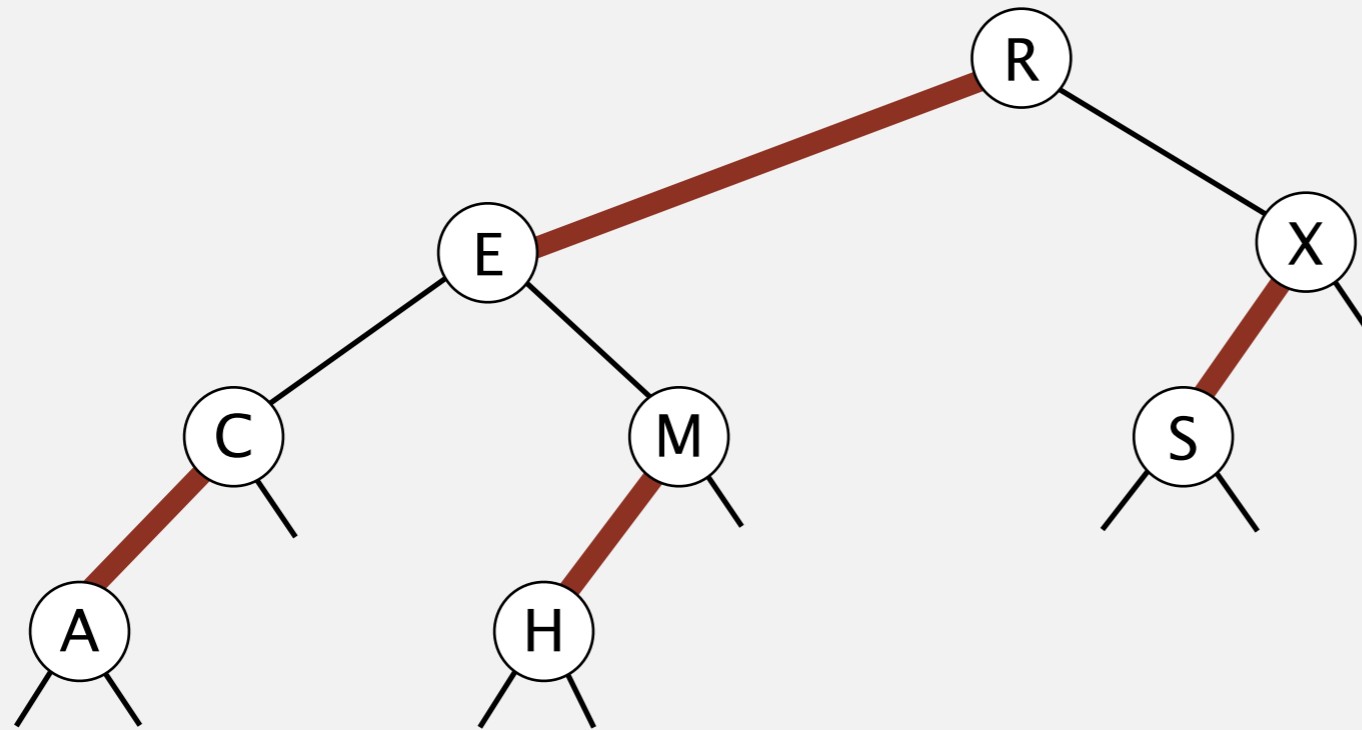
Red-black BST insertion

red-black BST



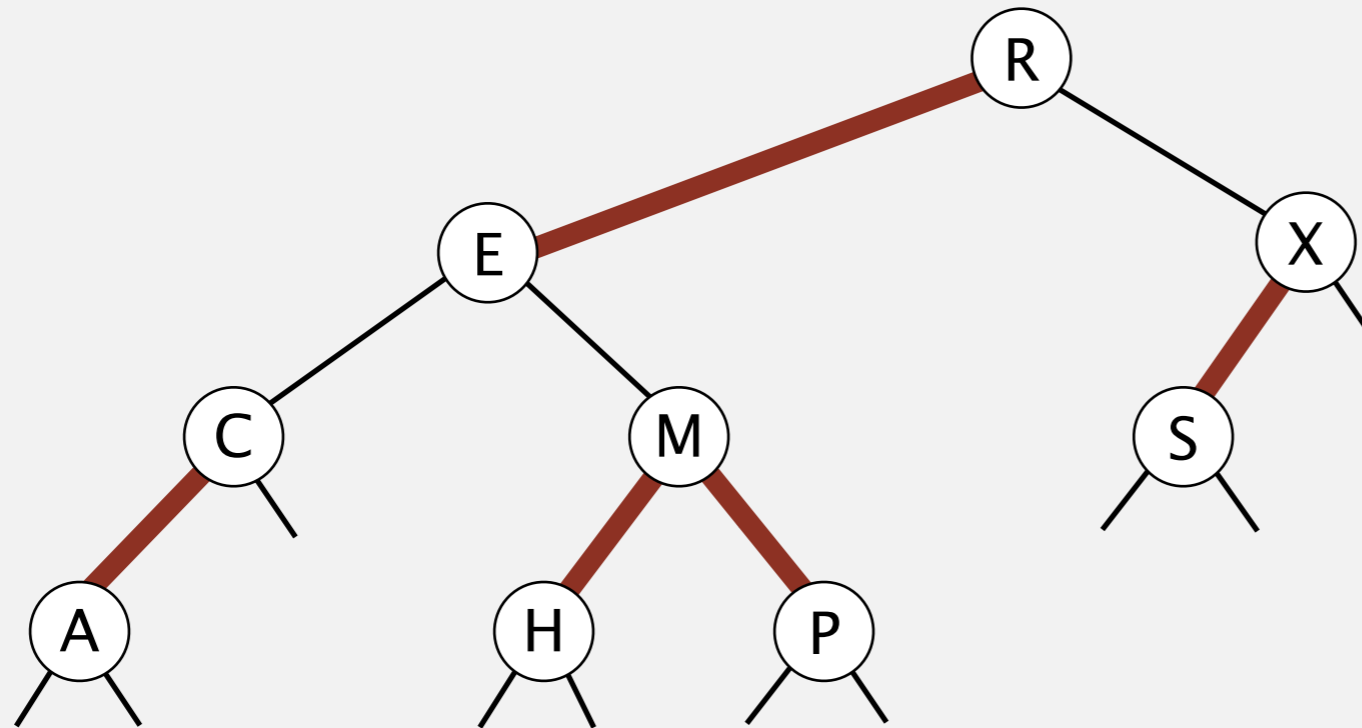
Red-black BST insertion

insert P



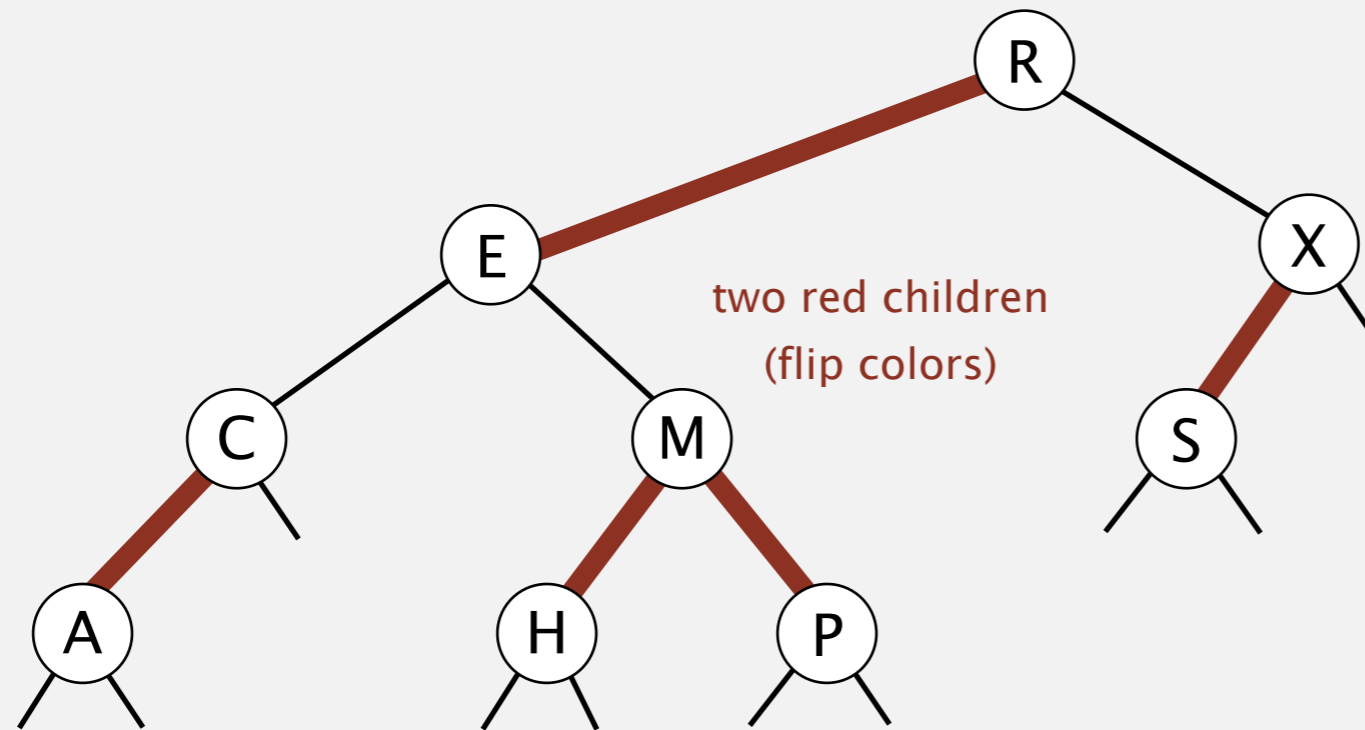
Red-black BST insertion

insert P



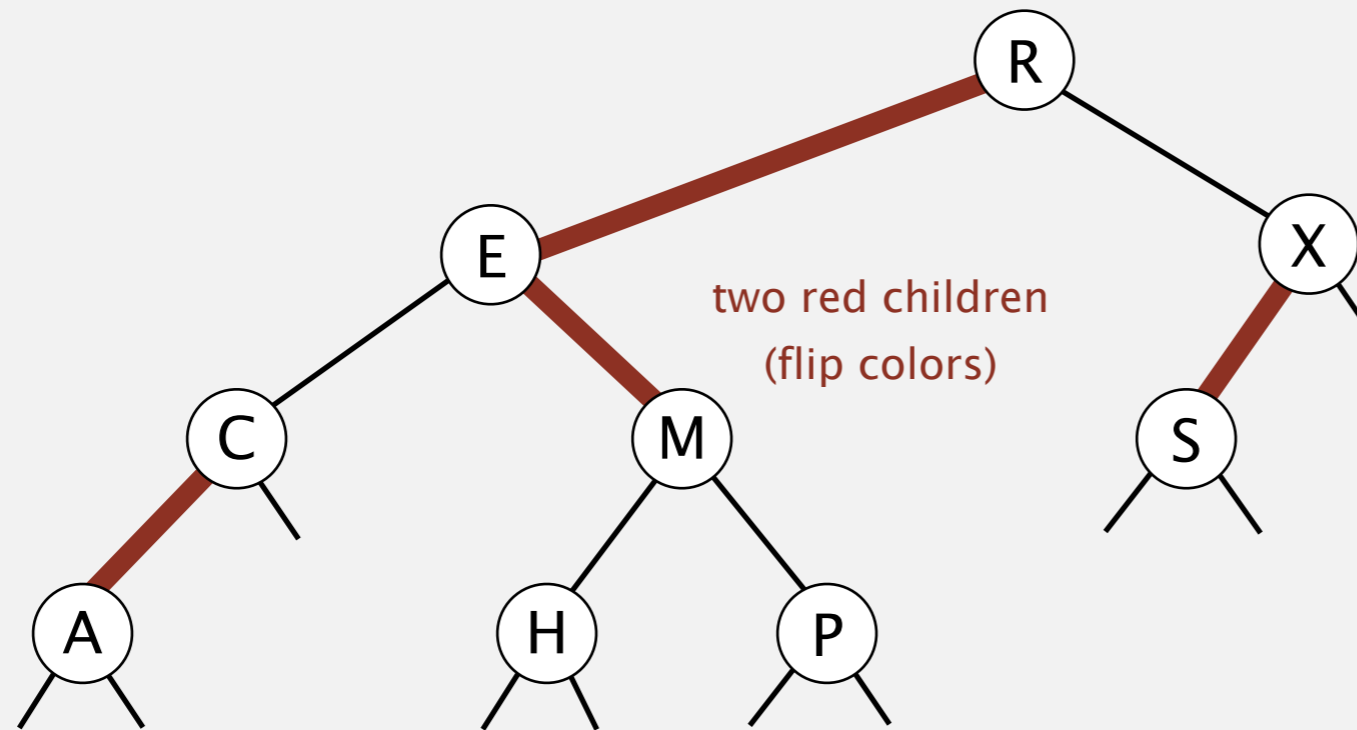
Red-black BST insertion

insert P

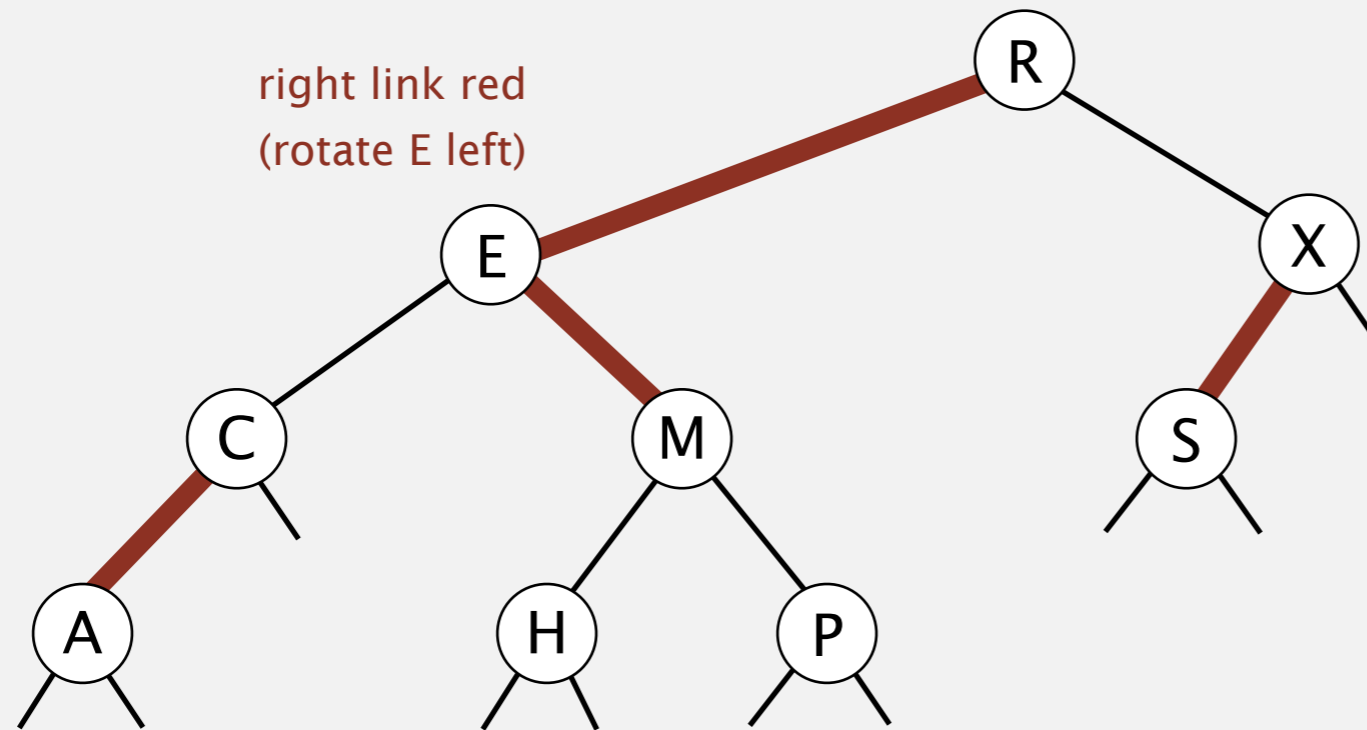


Red-black BST insertion

insert P

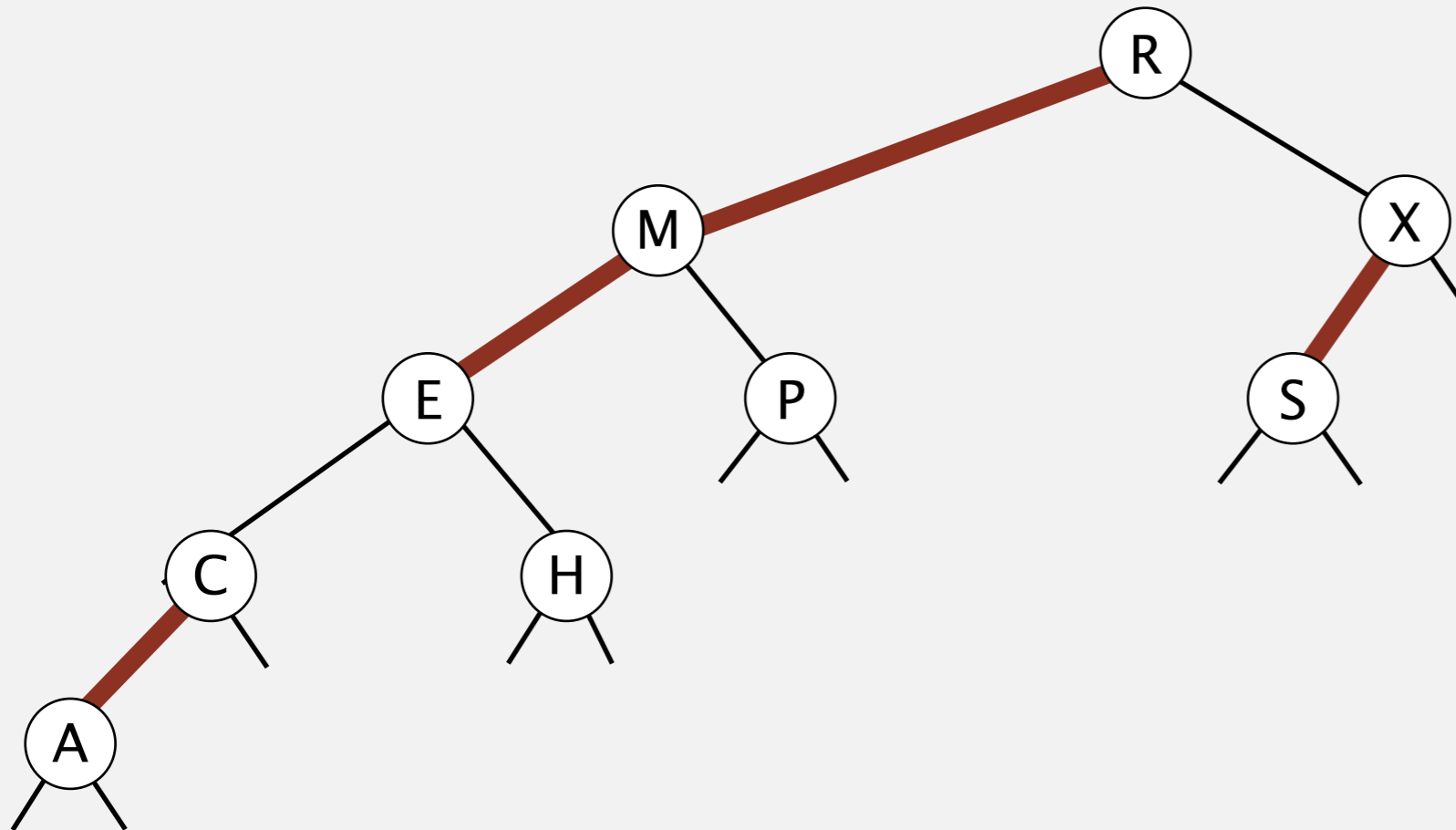


Red-black BST insertion

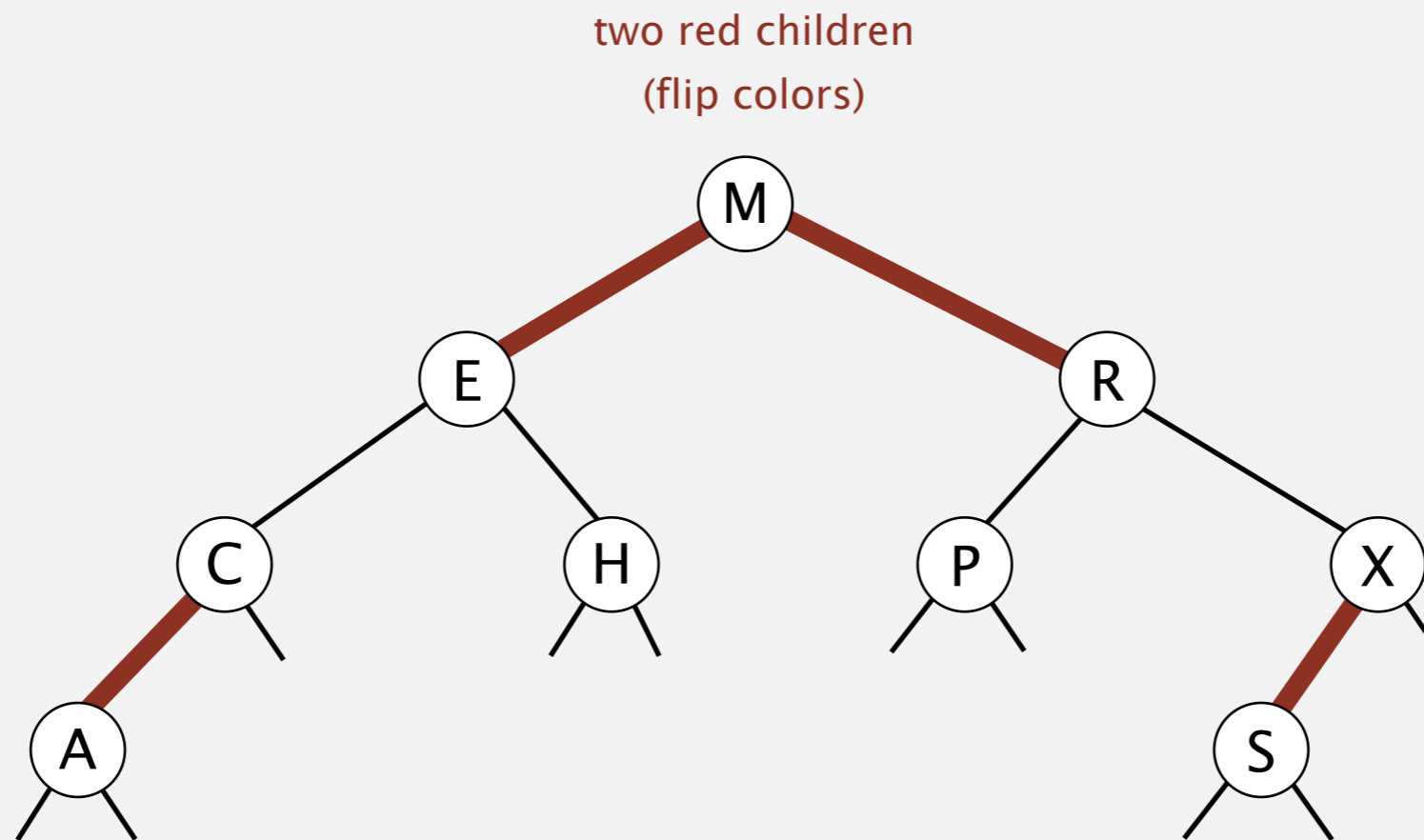


Red-black BST insertion

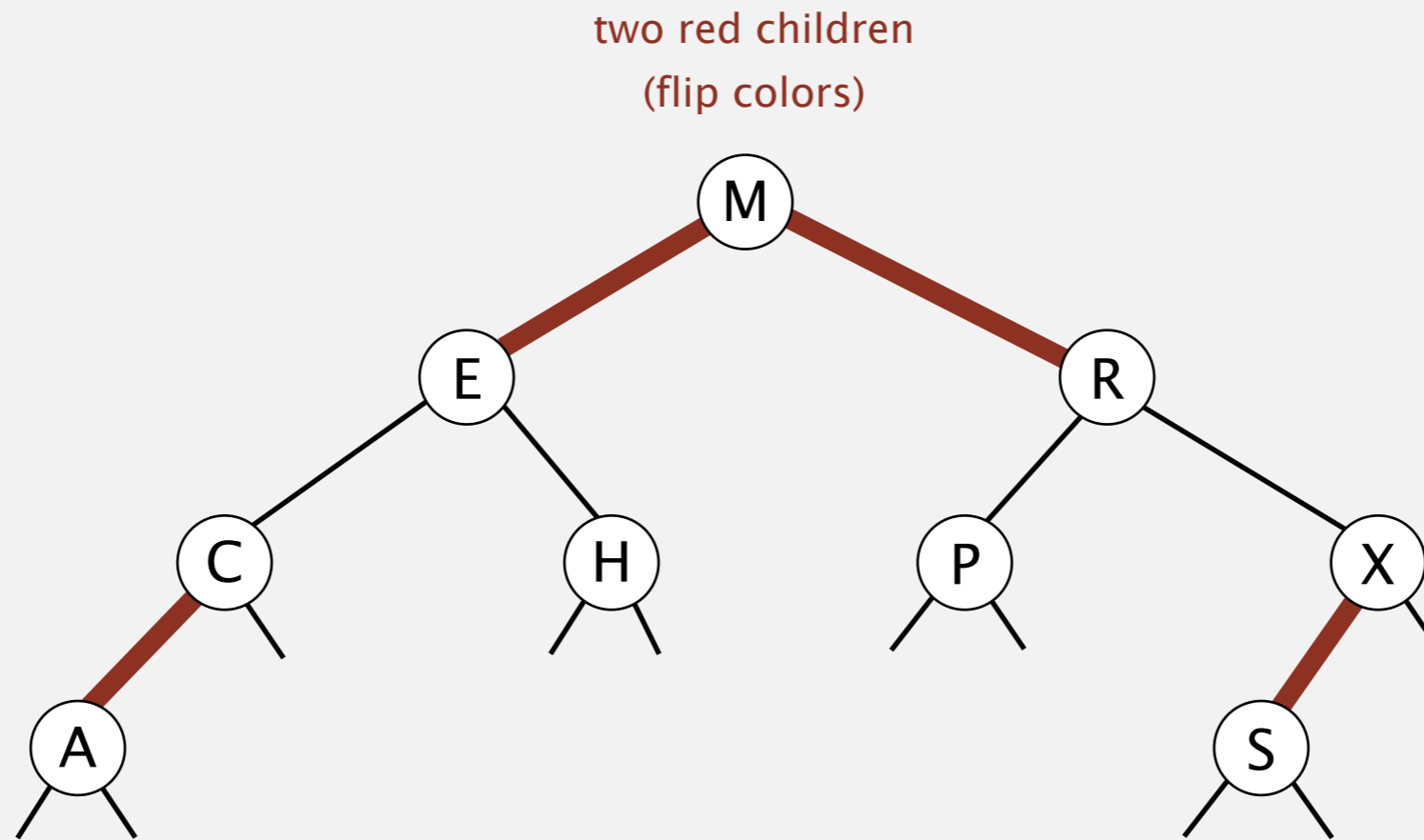
two left reds in a row
(rotate R right)



Red-black BST insertion

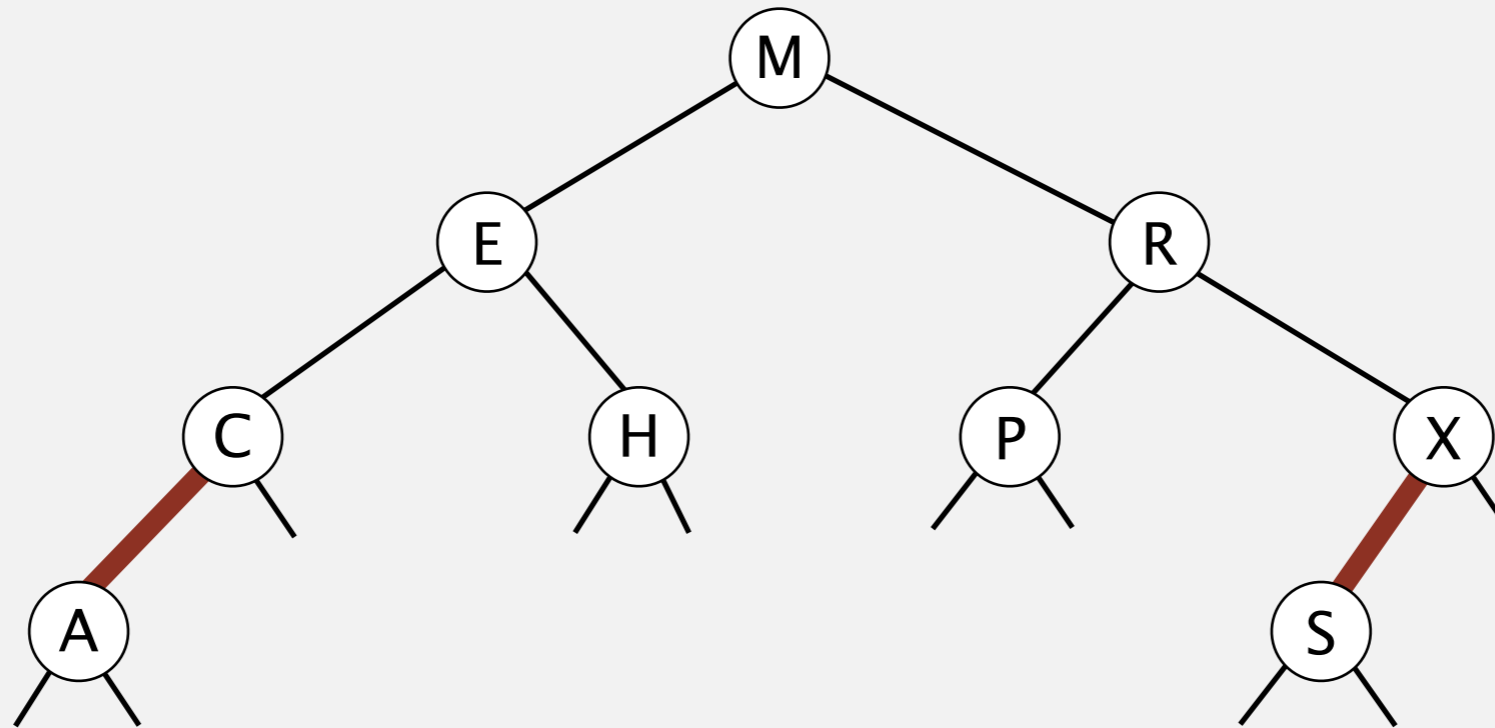


Red-black BST insertion



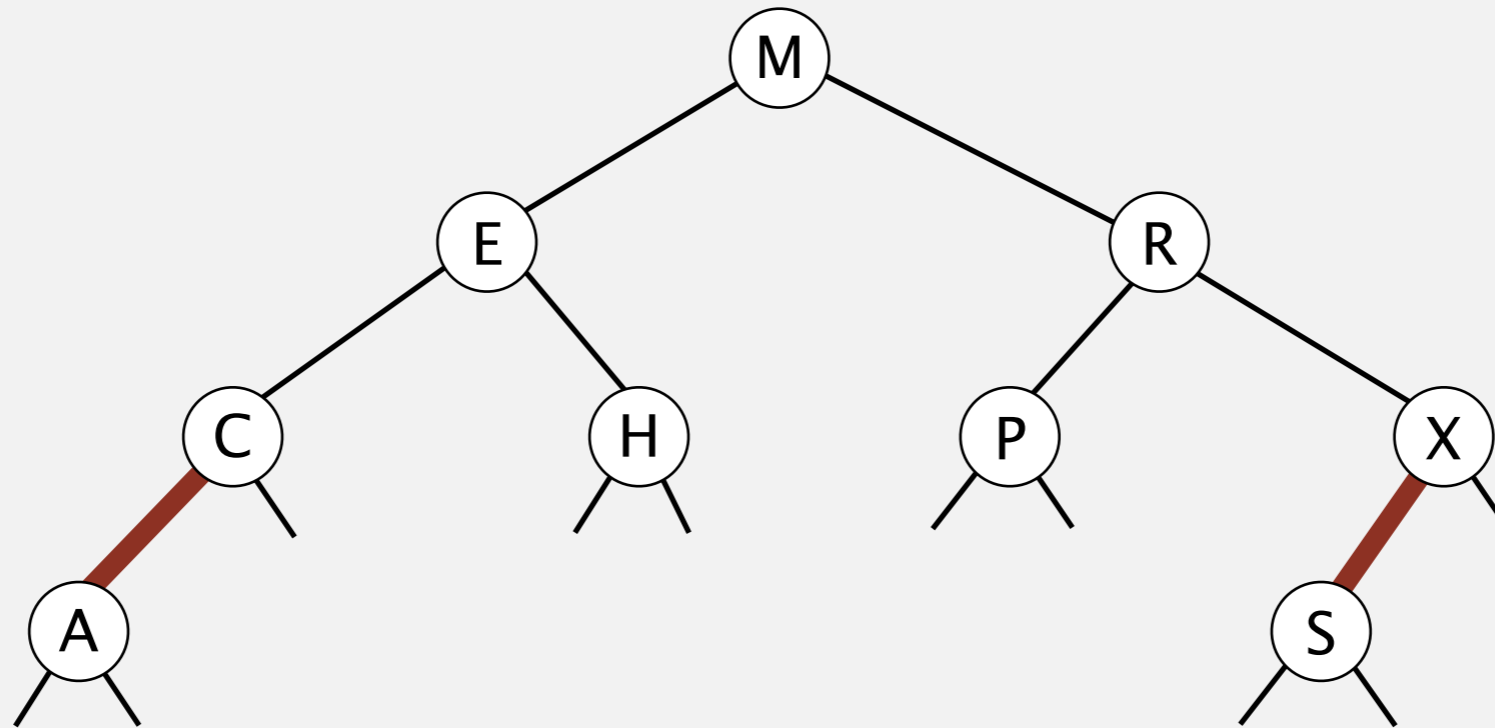
Red-black BST insertion

red-black BST



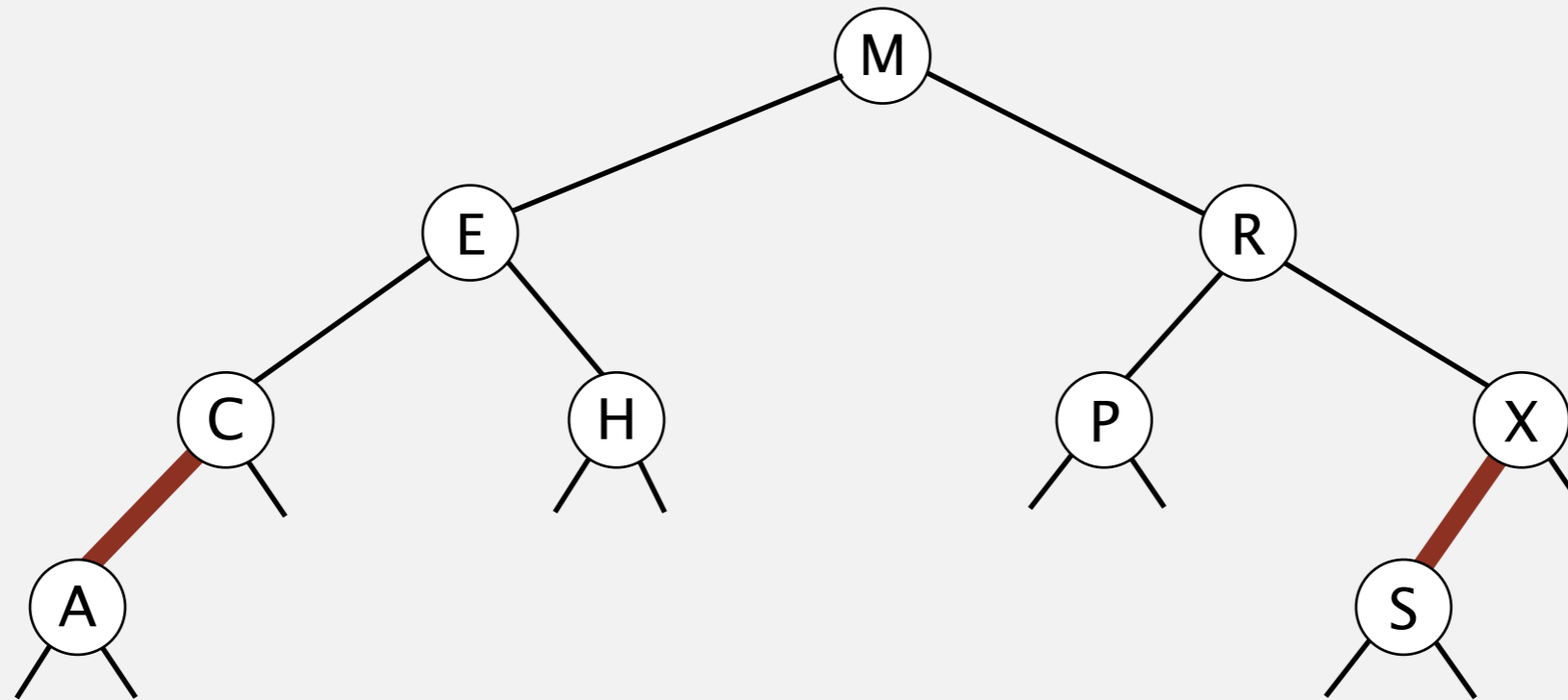
Red-black BST insertion

red-black BST



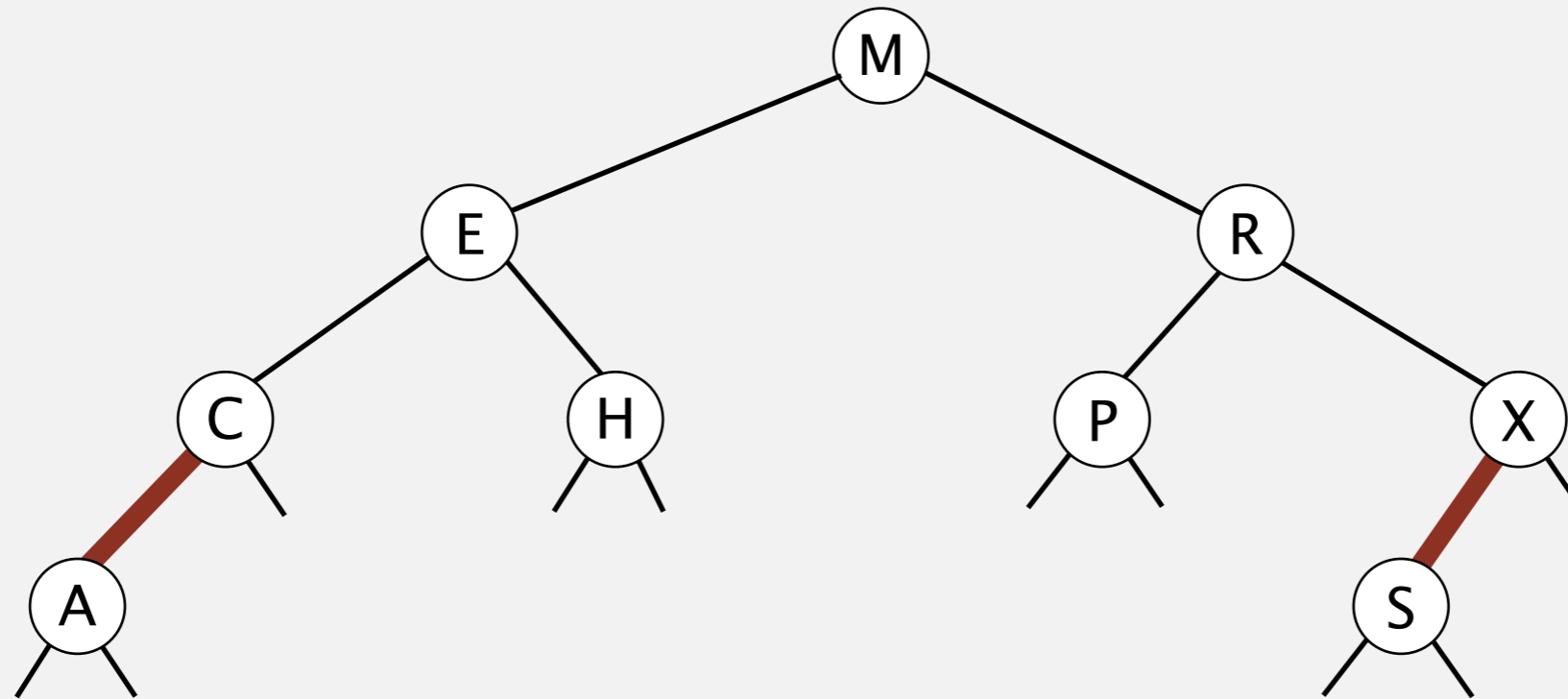
Red-black BST insertion

red-black BST



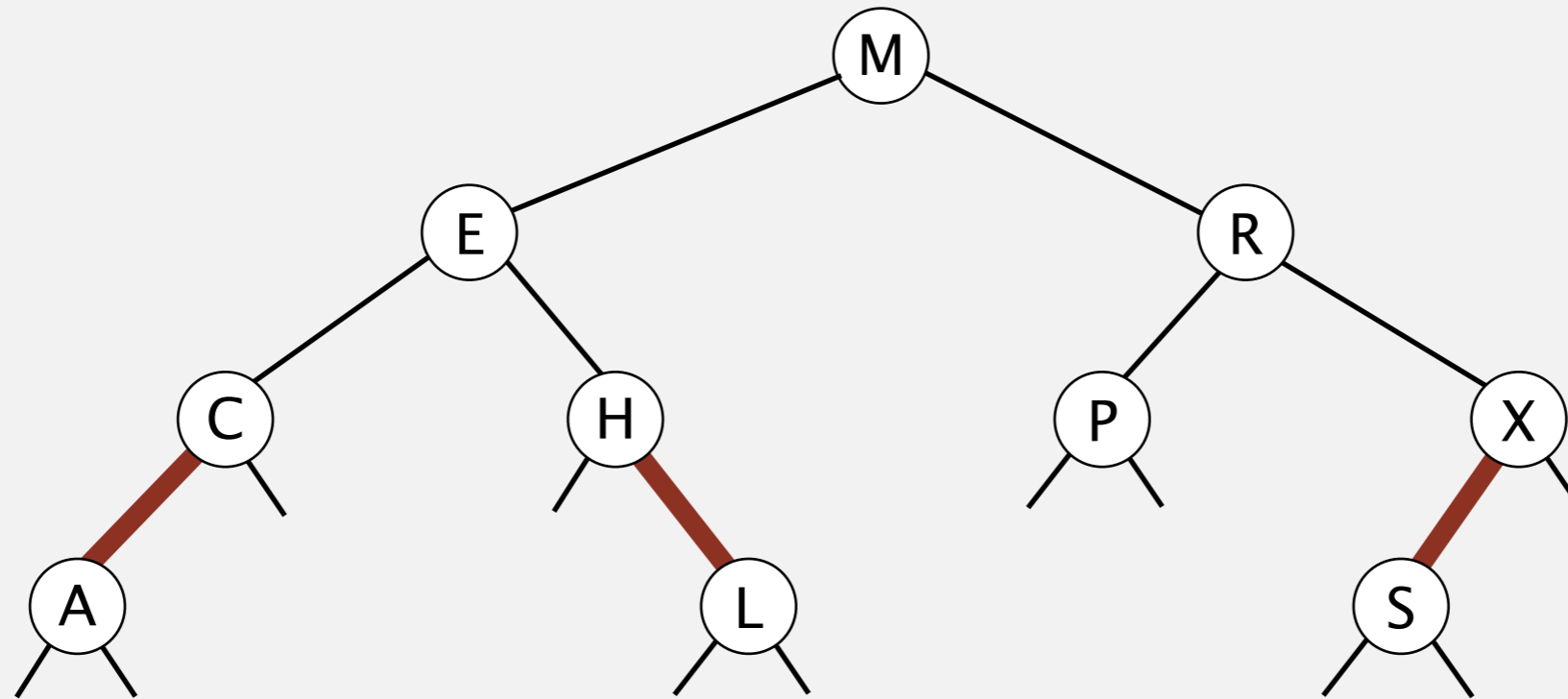
Red-black BST insertion

insert L



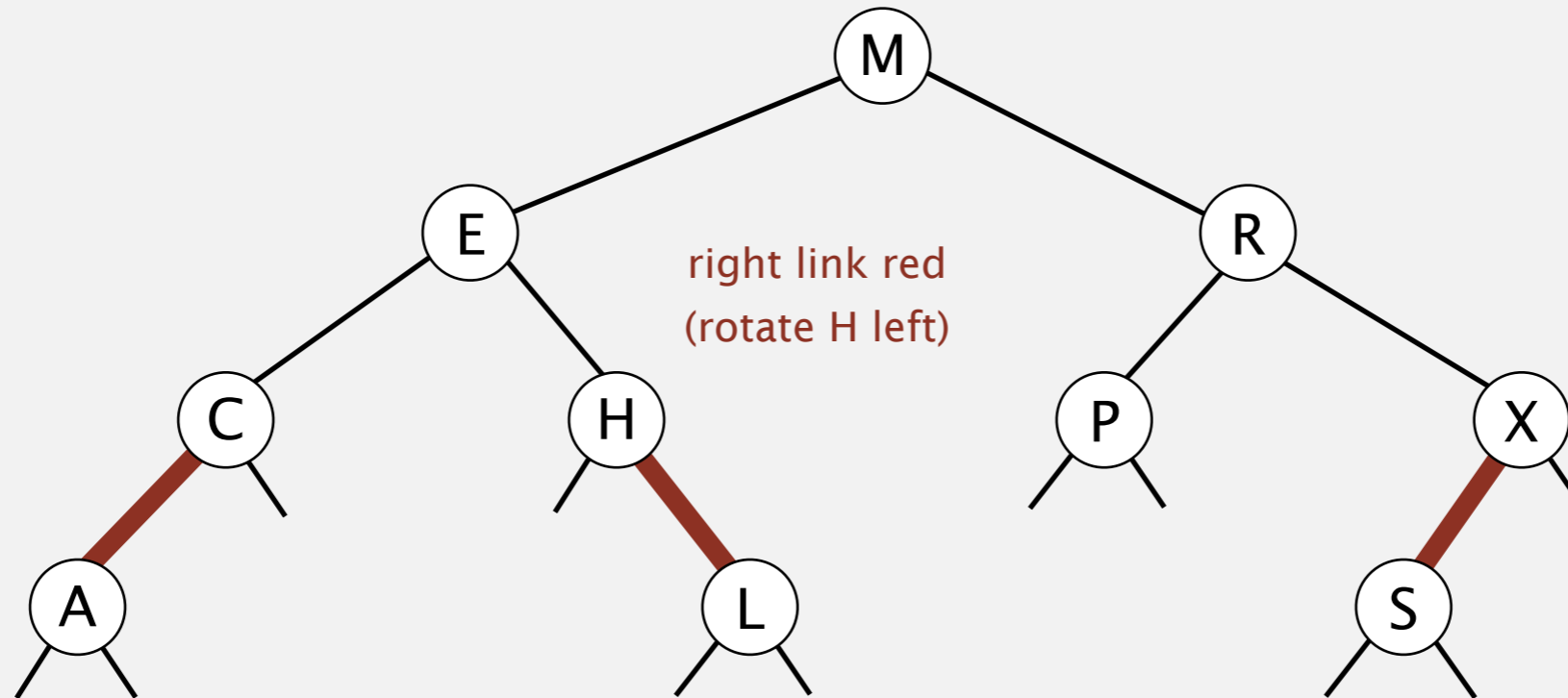
Red-black BST insertion

insert L



Red-black BST insertion

insert L



Red-black BST insertion

red-black BST

