



<http://algs4.cs.princeton.edu>

## 3.2 BINARY SEARCH TREE DEMO

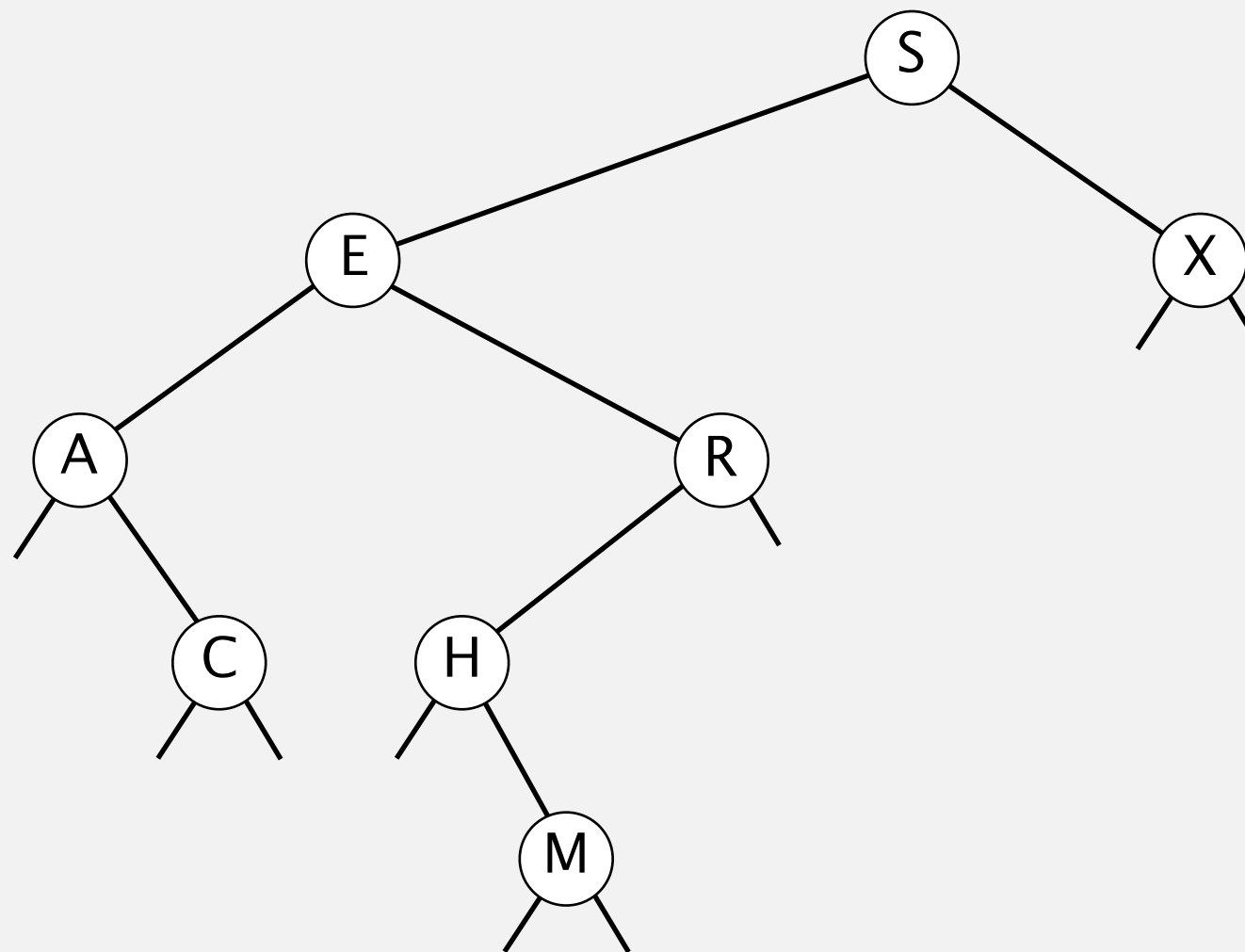
---

# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

successful search for H

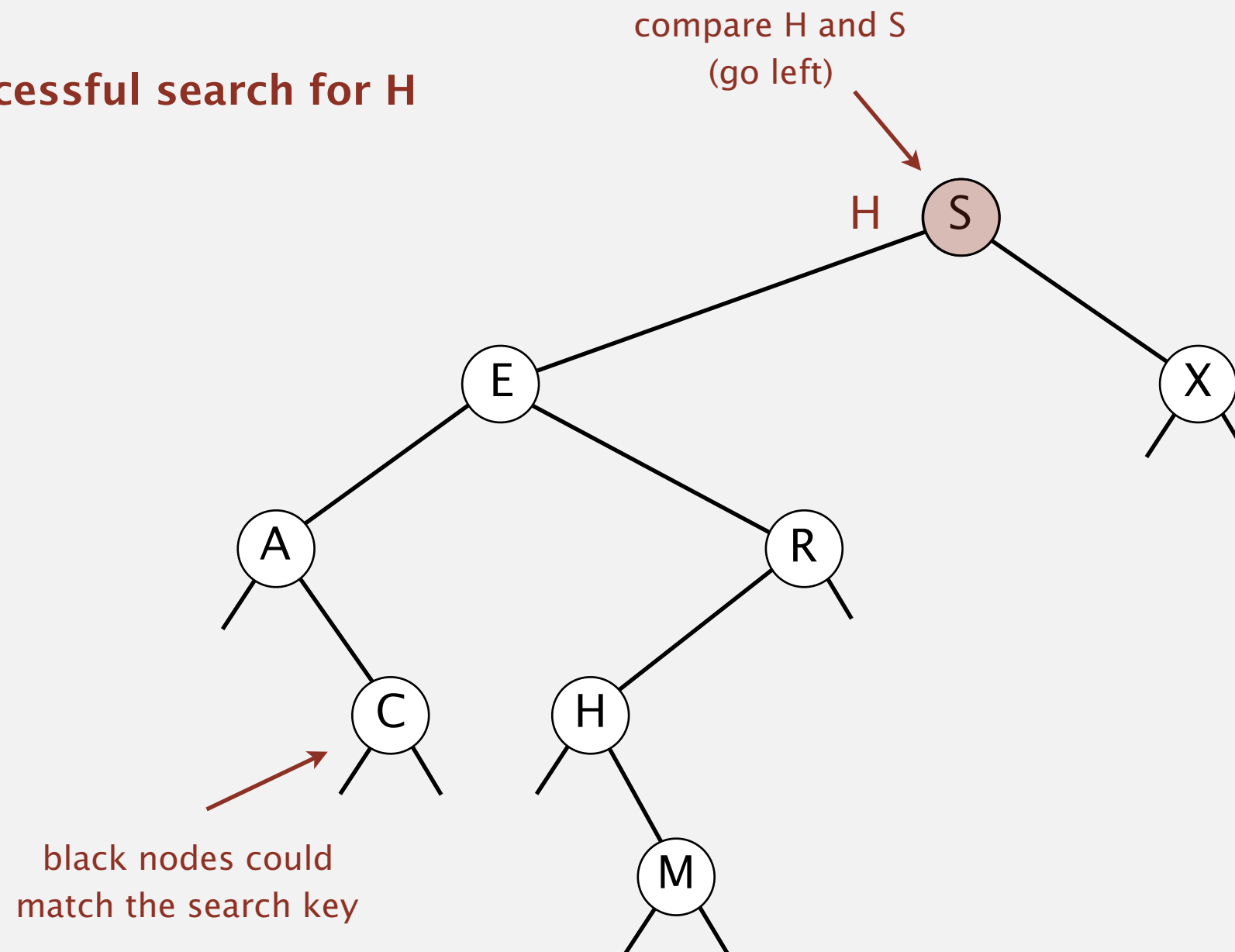


# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

**successful search for H**

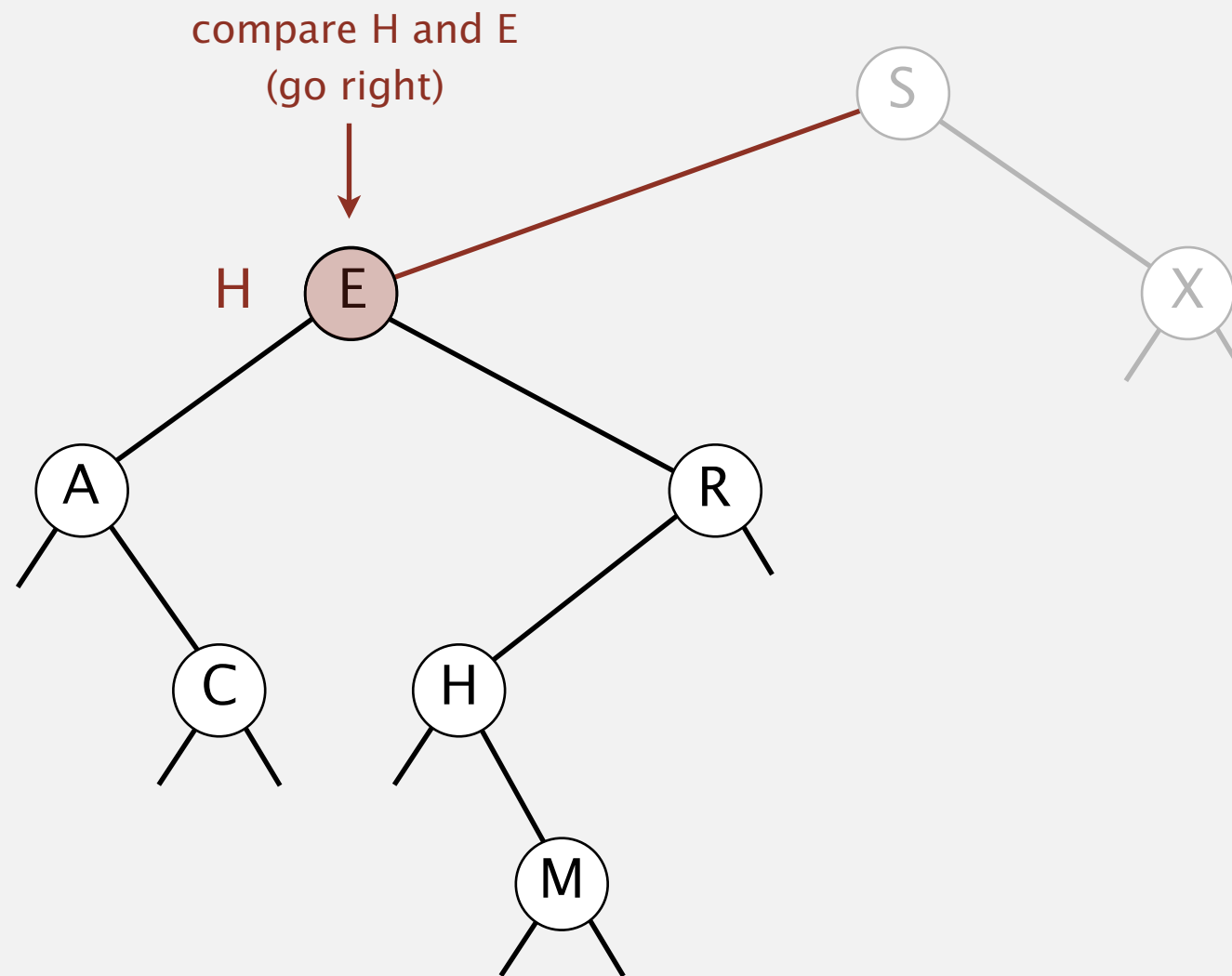


# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

**successful search for H**

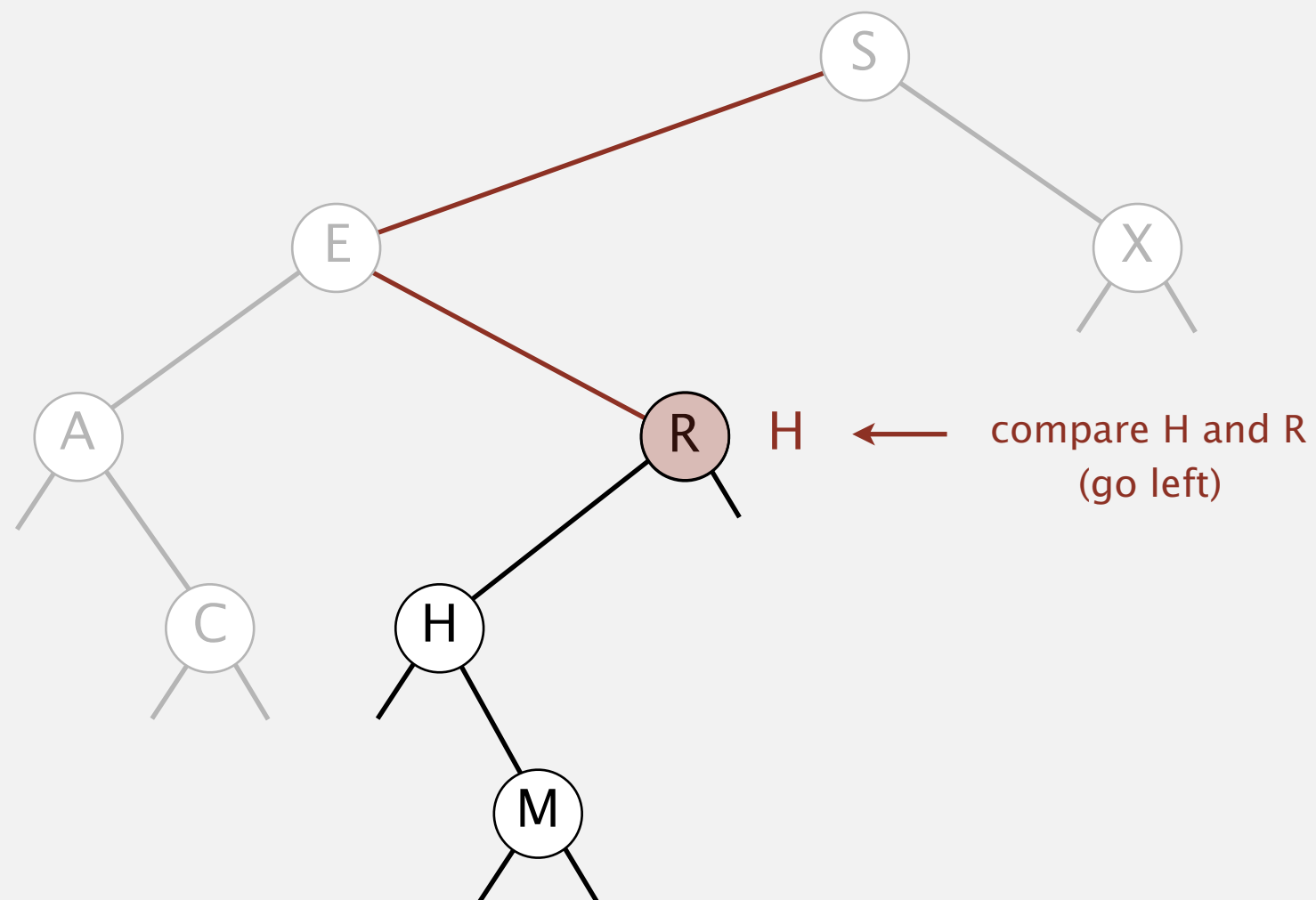


# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

successful search for H

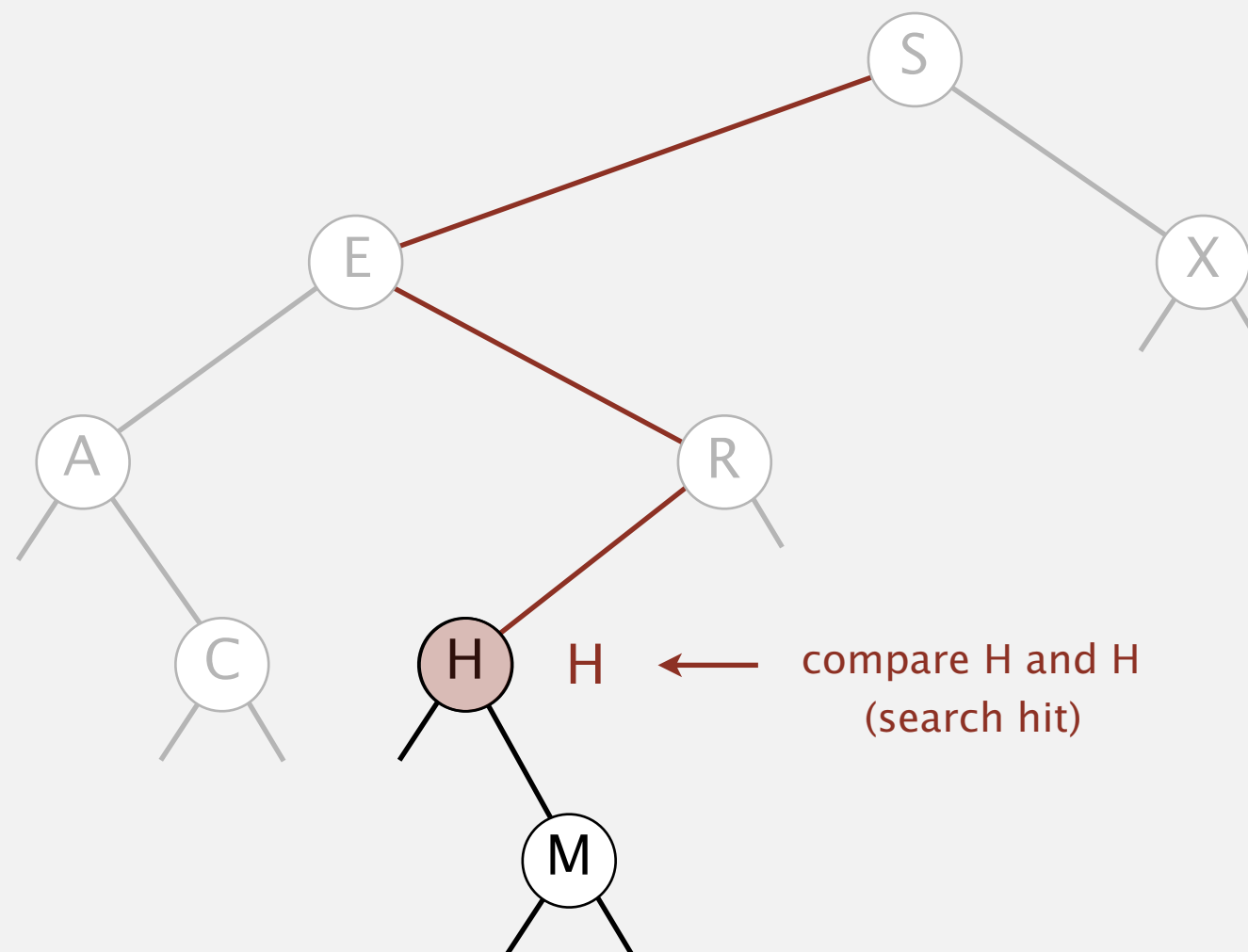


# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

successful search for H

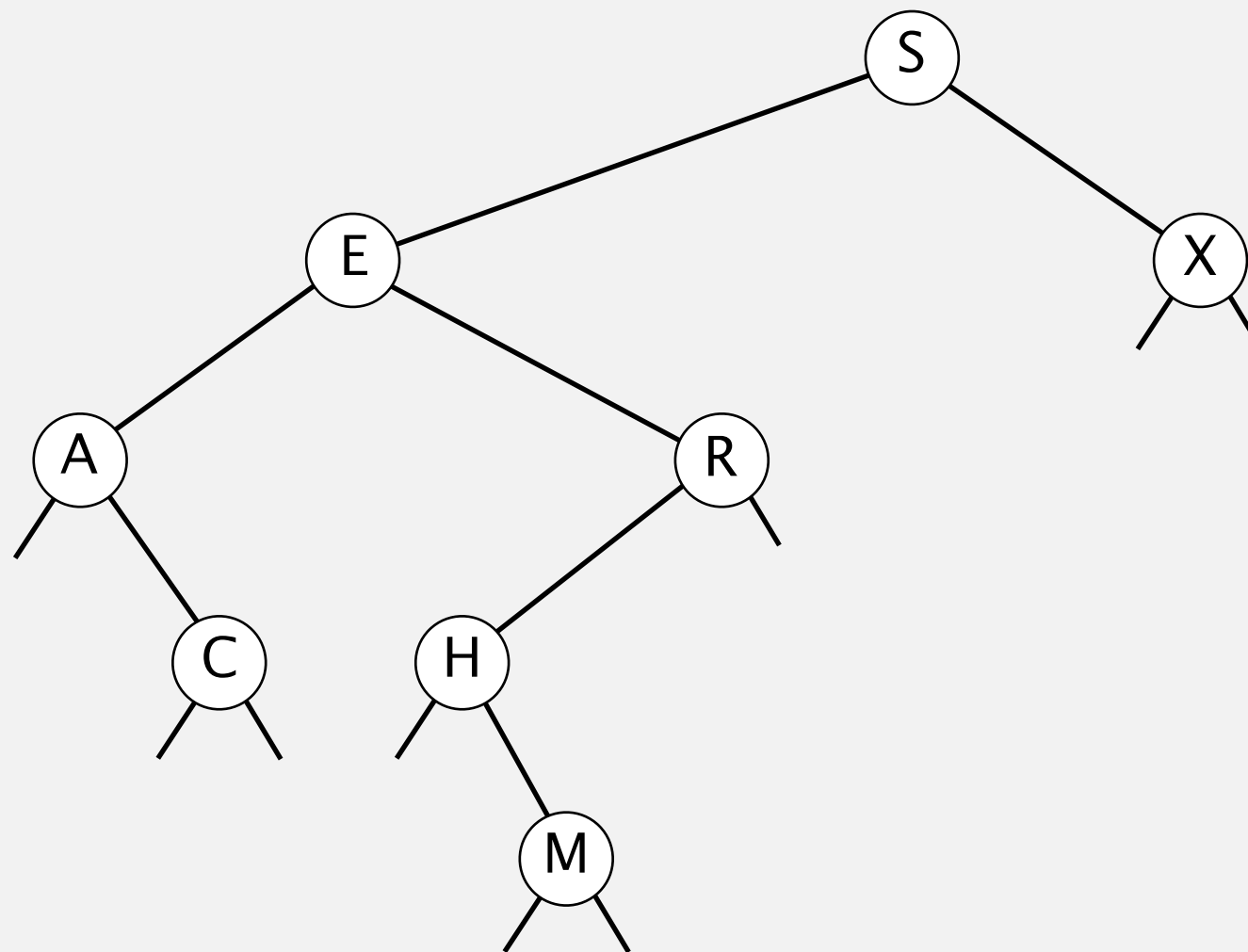


# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

unsuccessful search for G

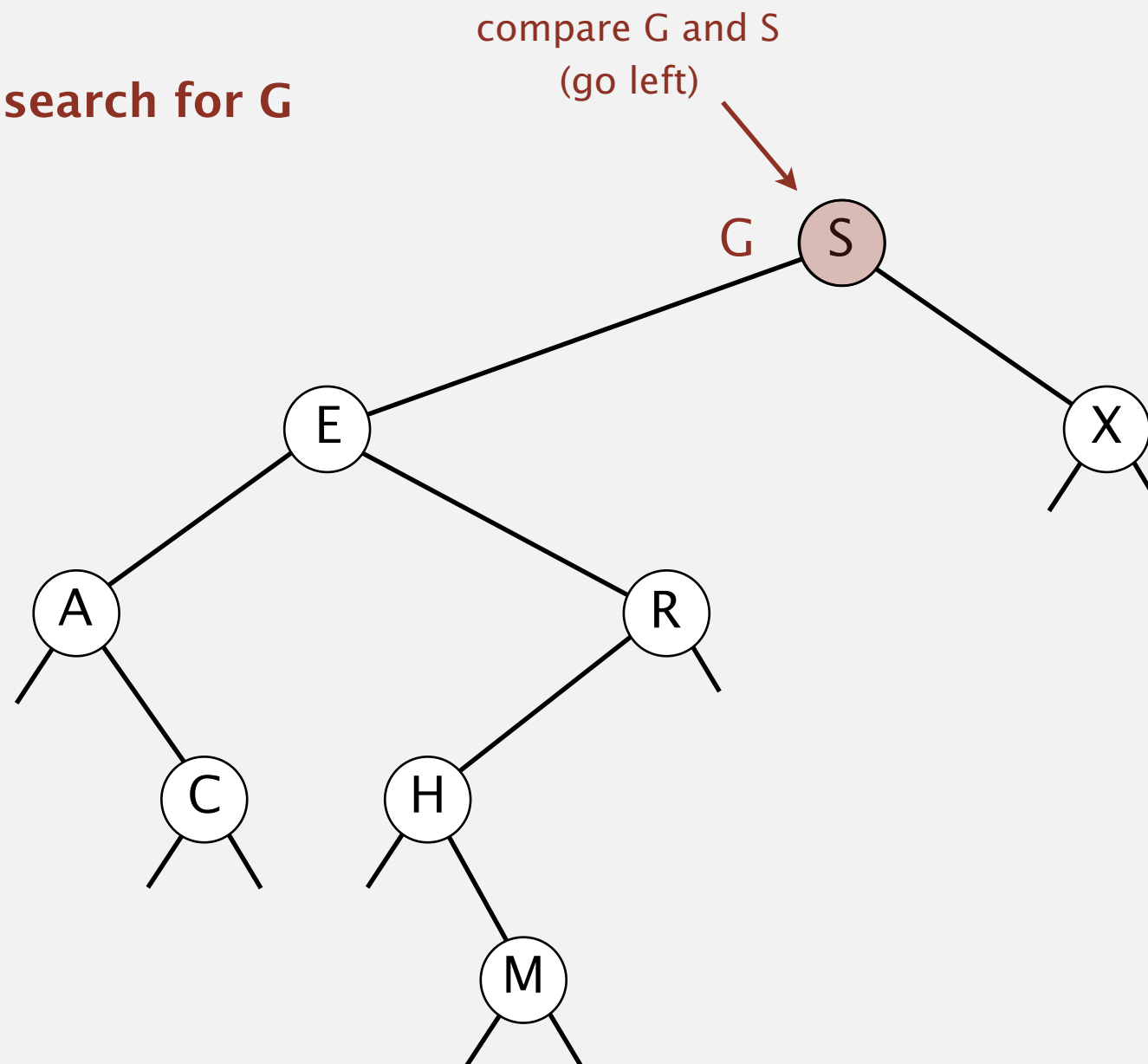


# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

unsuccessful search for G



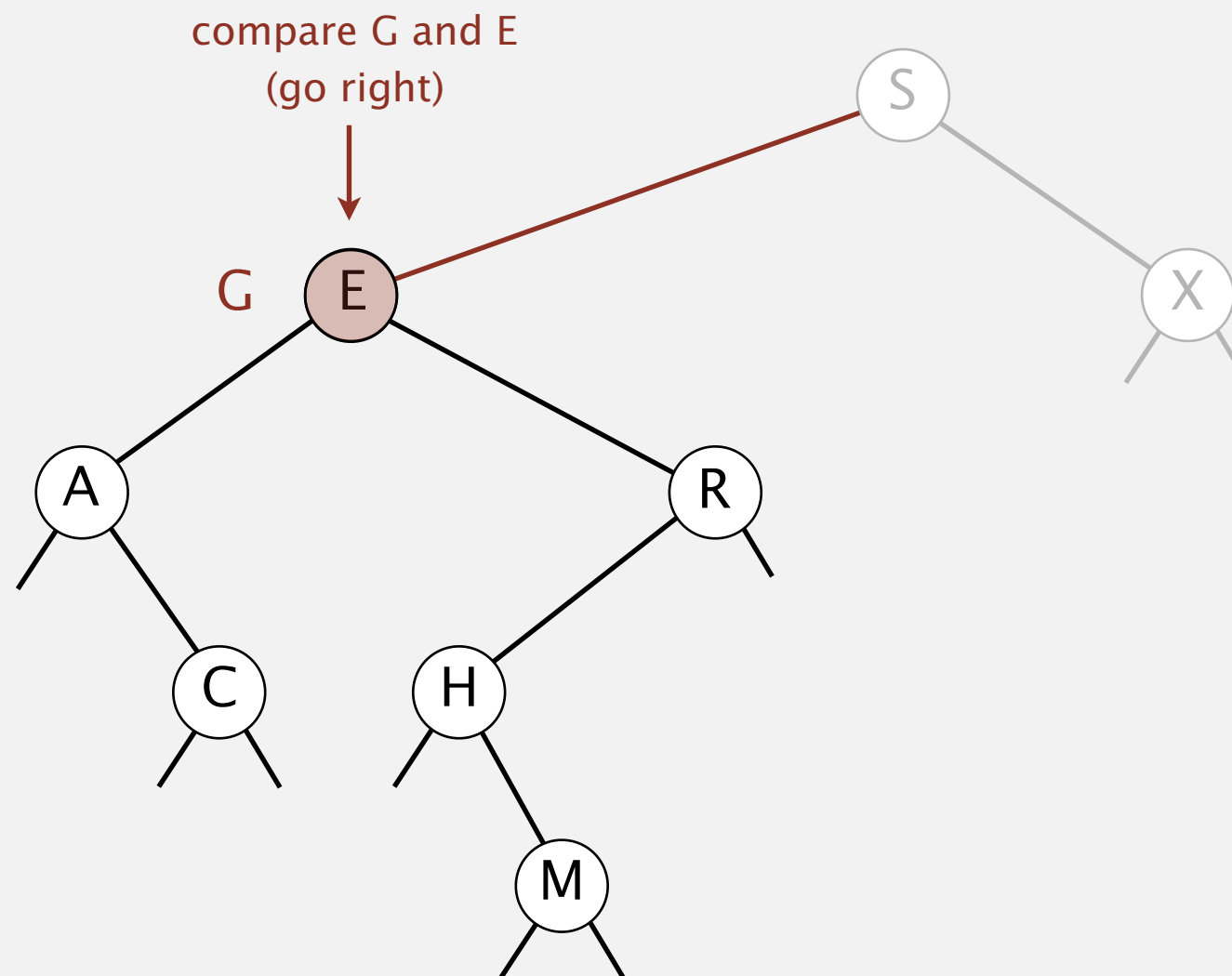


# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

**unsuccessful search for G**

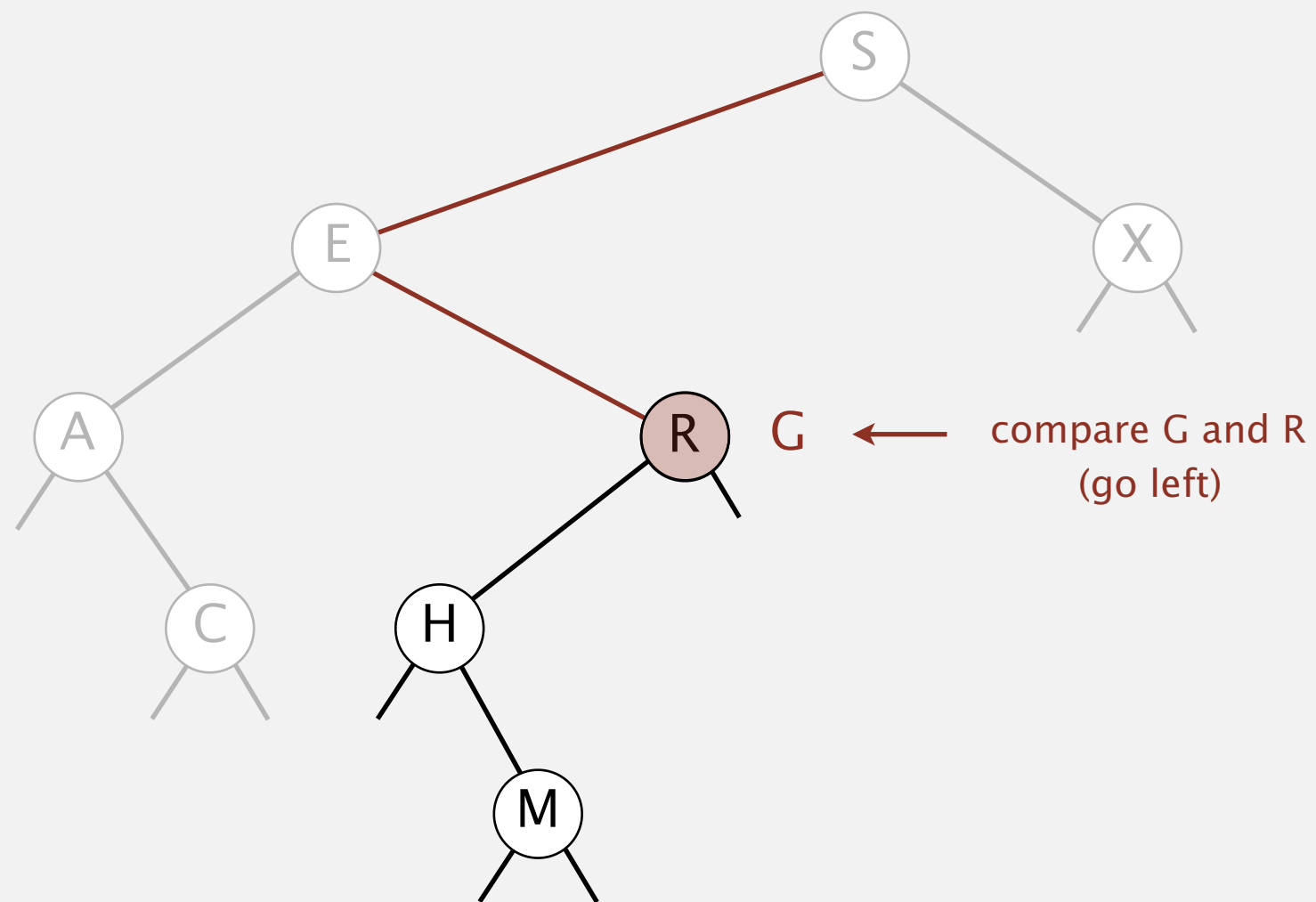


# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

**unsuccessful search for G**

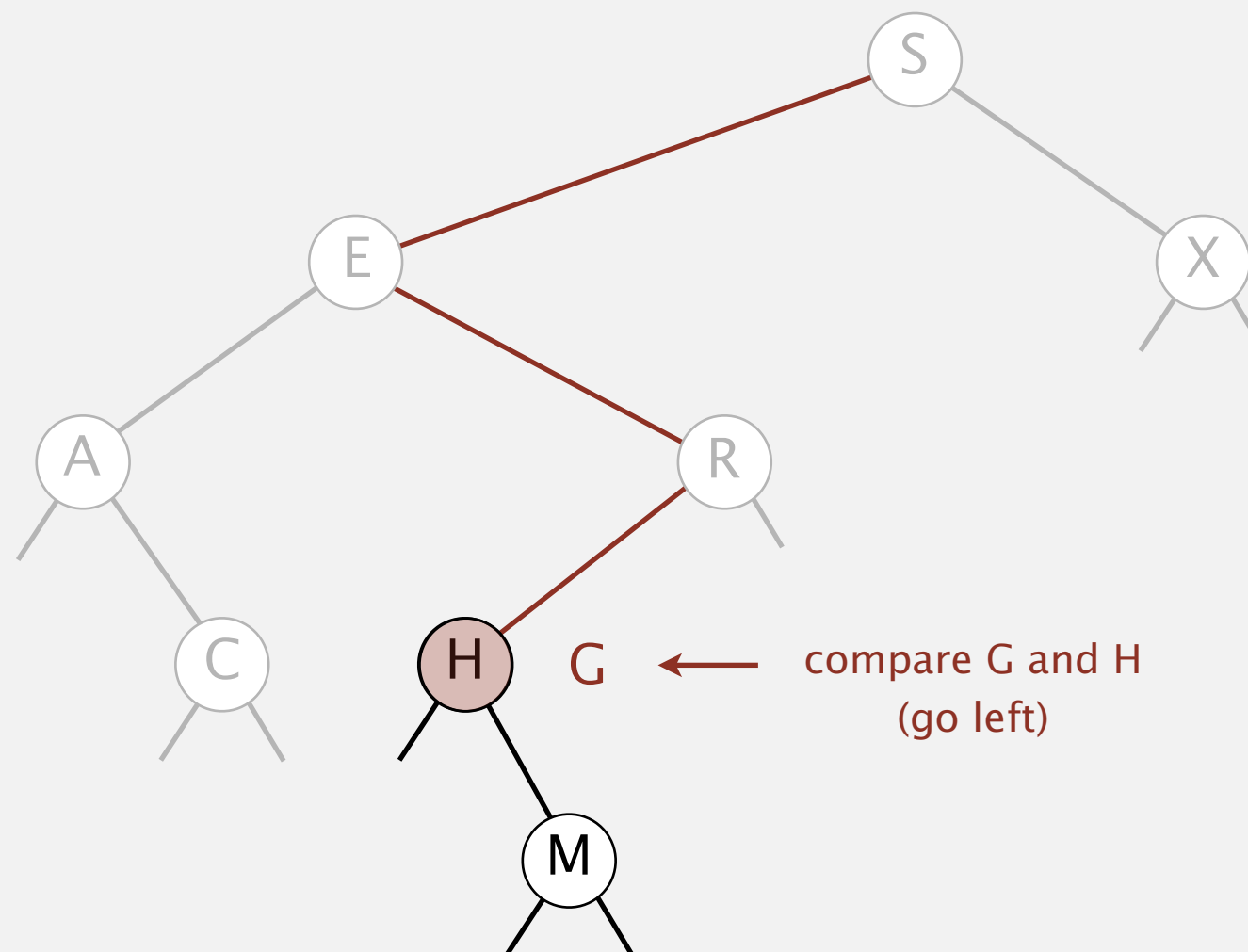


# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

unsuccessful search for G

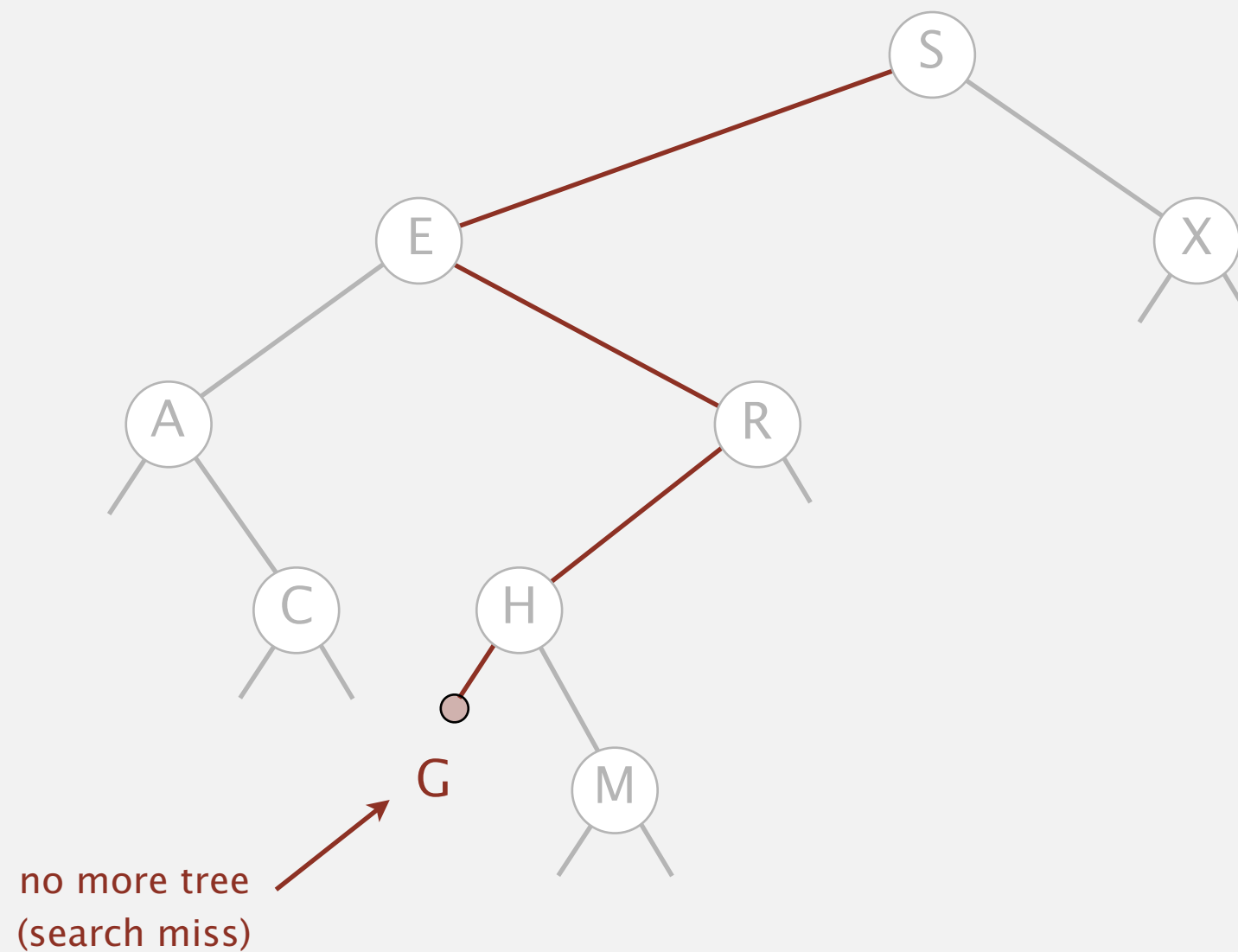


# Binary search tree demo

---

**Search.** If less, go left; if greater, go right; if equal, search hit.

**unsuccessful search for G**

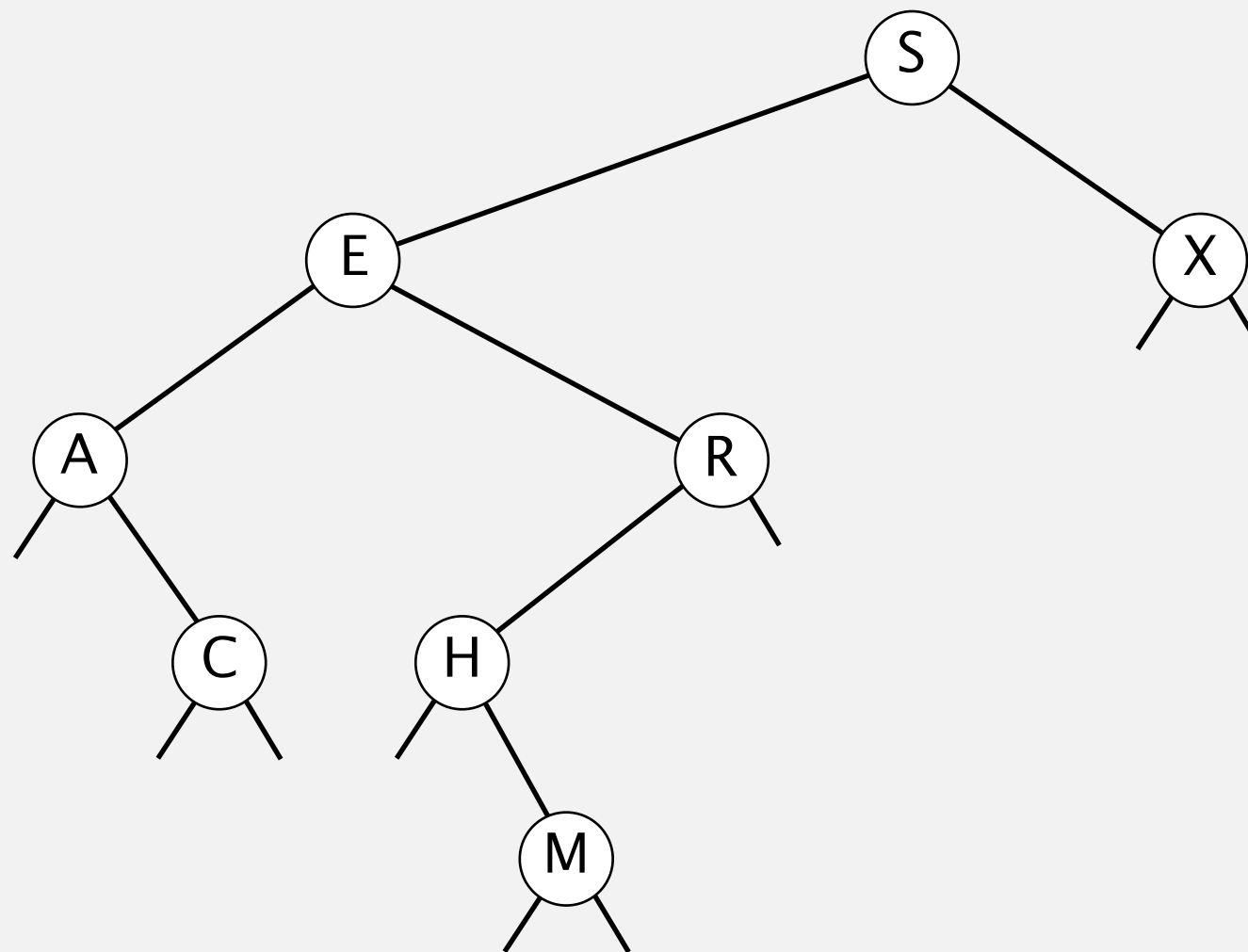


# Binary search tree demo

---

**Insert.** If less, go left; if greater, go right; if null, insert.

**insert G**

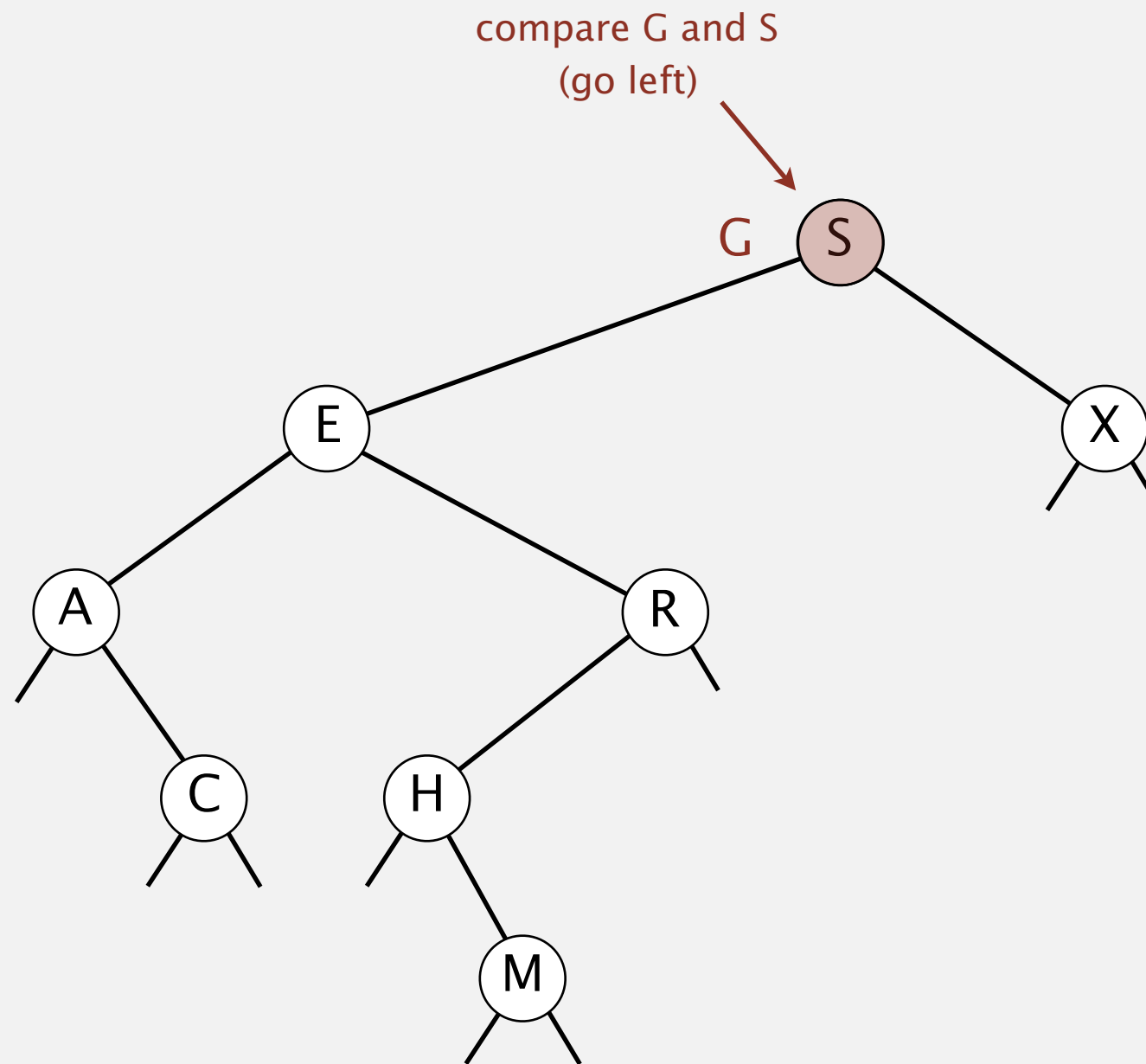


# Binary search tree demo

---

**Insert.** If less, go left; if greater, go right; if null, insert.

insert G

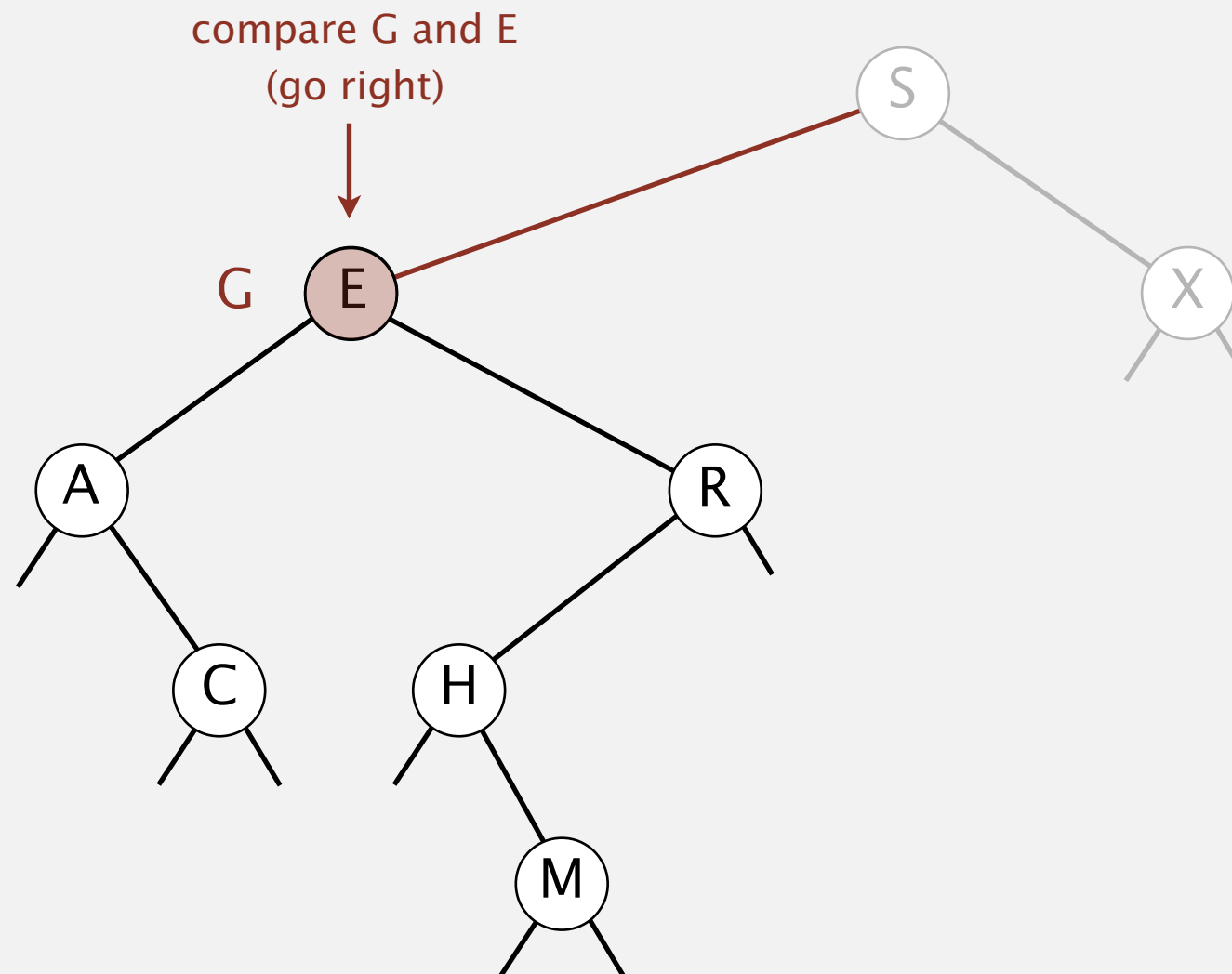


# Binary search tree demo

---

**Insert.** If less, go left; if greater, go right; if null, insert.

**insert G**

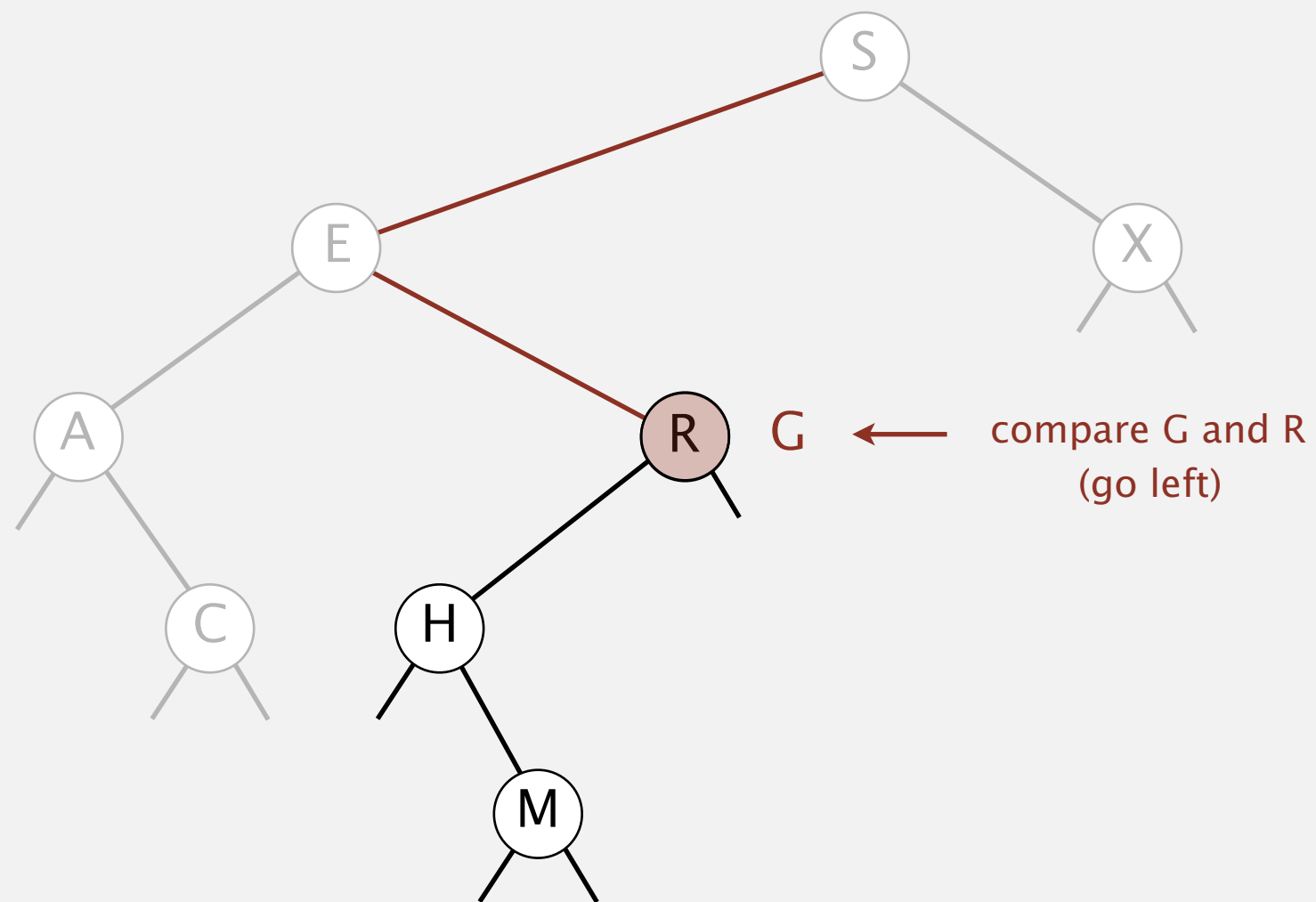


# Binary search tree demo

---

**Insert.** If less, go left; if greater, go right; if null, insert.

**insert G**



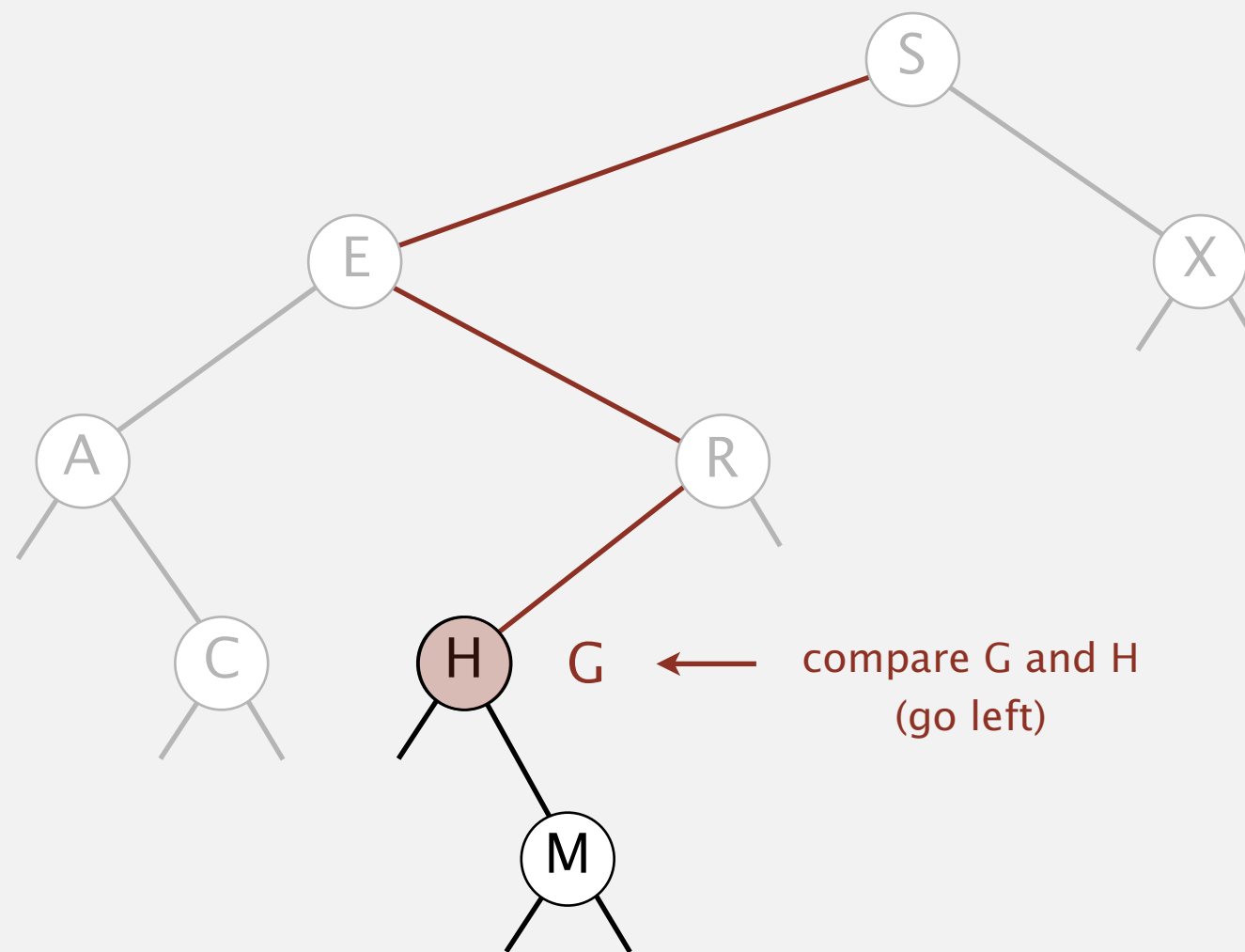


# Binary search tree demo

---

**Insert.** If less, go left; if greater, go right; if null, insert.

**insert G**

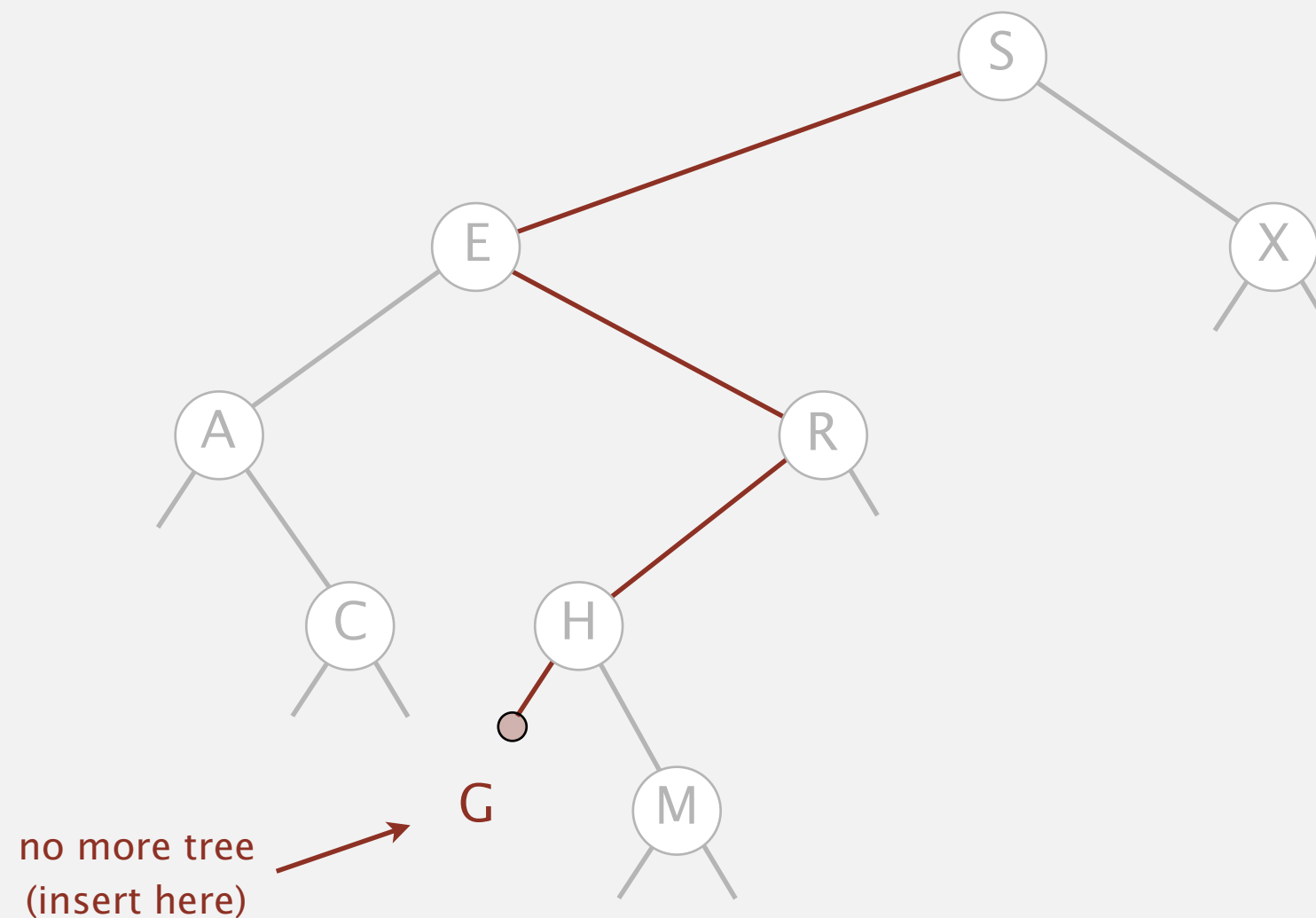


# Binary search tree demo

---

**Insert.** If less, go left; if greater, go right; if null, insert.

**insert G**

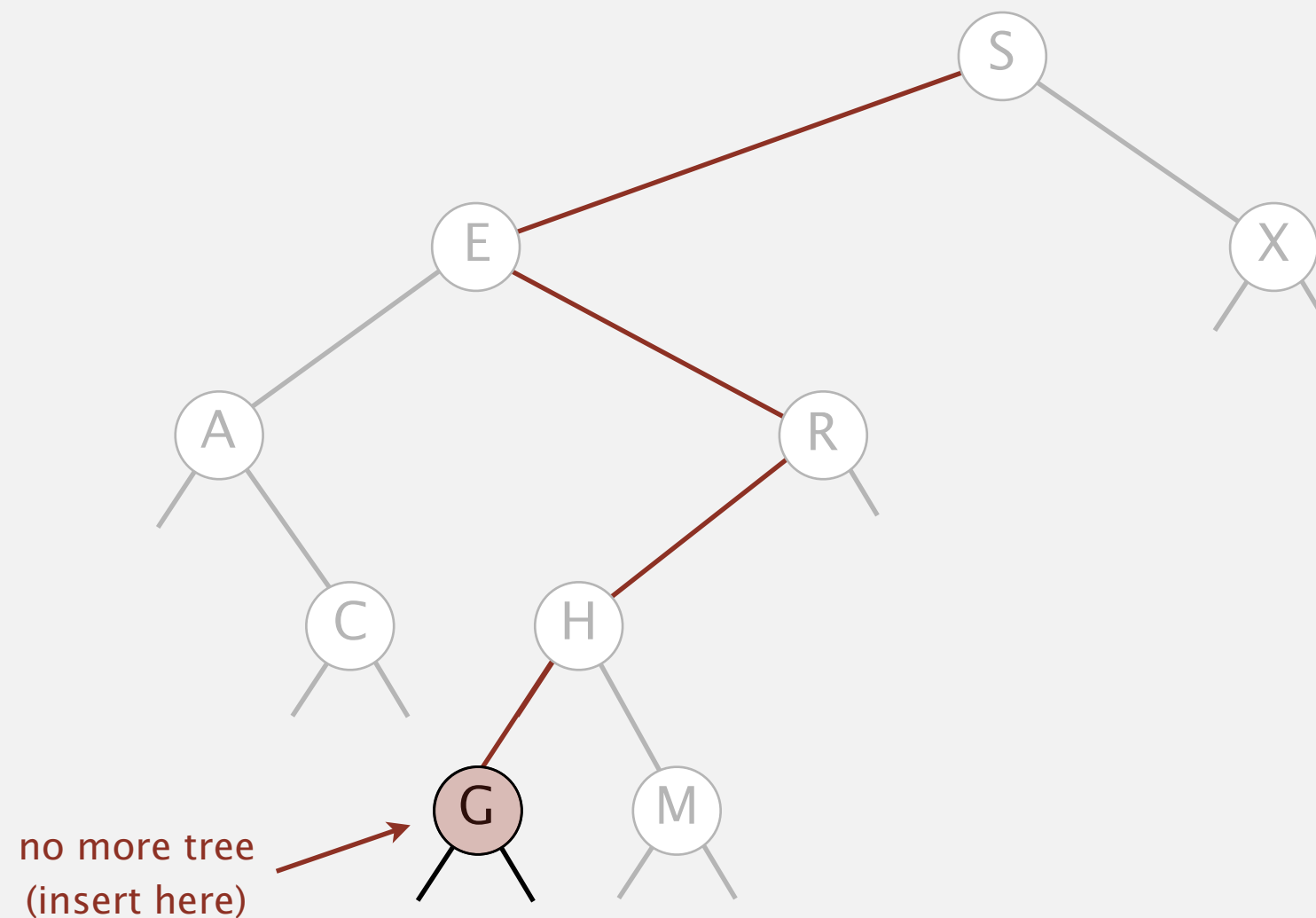


# Binary search tree demo

---

**Insert.** If less, go left; if greater, go right; if null, insert.

**insert G**



# Binary search tree demo

---

**Insert.** If less, go left; if greater, go right; if null, insert.

**insert G**

